# Oil, Paint and Drug Reporter

*The Chemical Market Authority Since 1871*

Volume 155 No. 18 May 2, 1949



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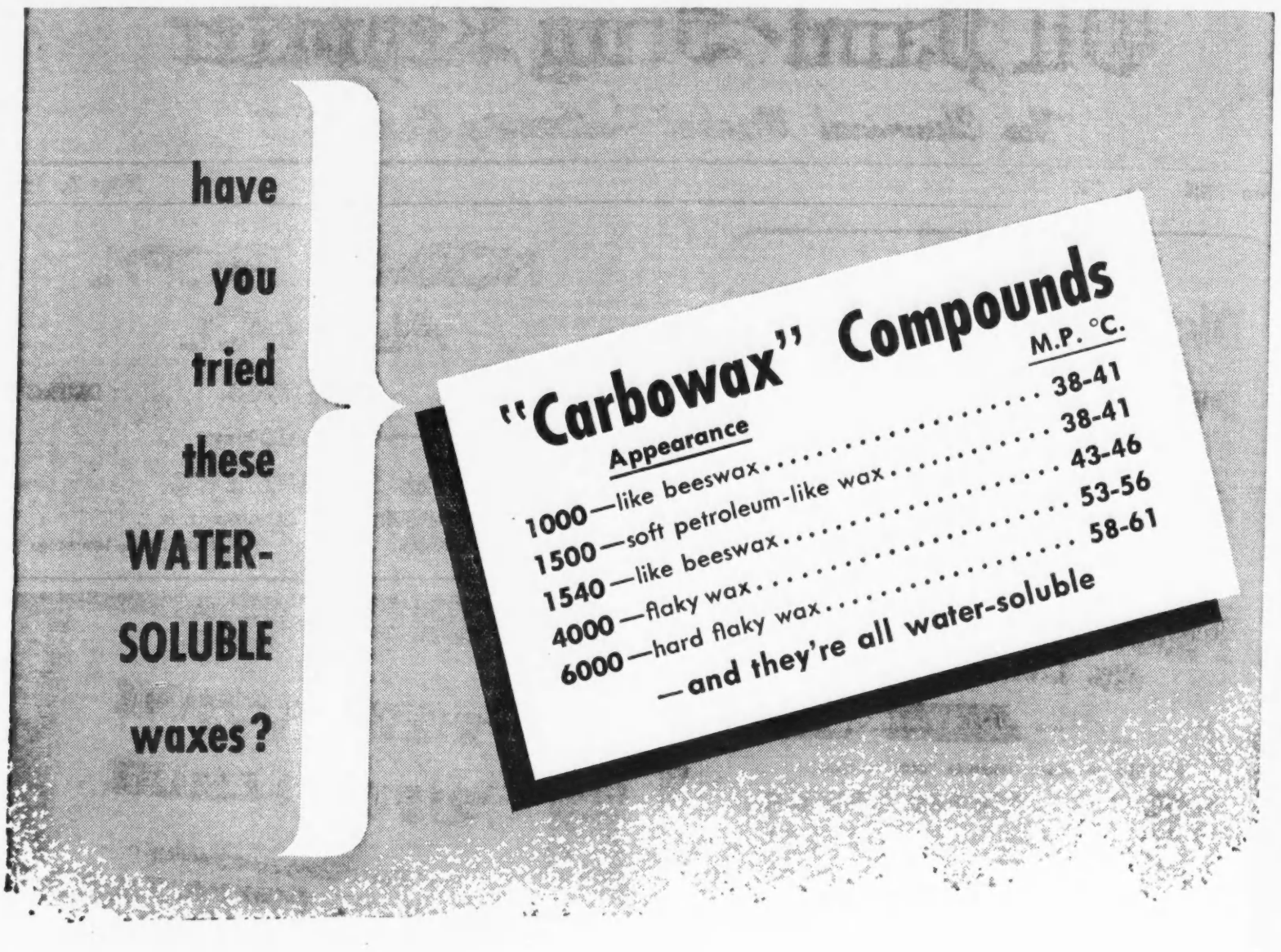


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# Oil, Paint and Drug Reporter

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Volume 155 No. 18 New York 7, N. Y. May 2, 1949

## Export Controls Lifted On Many Chemical Items

Export control of approximately 500 items was abolished on April 27 by the Department of Commerce, Charles Sawyer, secretary, revealed on April 28. He added that these items, covering a wide range of commodities, may now be shipped to any point in the world without a validated export license.

Mr. Sawyer said that the action is "another step in our program of relaxing export controls as rapidly as conditions warrant so that normal foreign trade relations in non-strategic commodities may be reestablished. All the de-controlled items currently are in free domestic supply."

Among the some 500 items that were decontrolled were the following, as listed by the department, together with their Department of Commerce Schedule B numbers:—

| | |
|---|---|
| **Aluminum** | |
| Aluminum or aluminum-bronze powders and pastes, aluminum content | 630850 |
| **Animal Products** | |
| Egg products, dried, frozen or otherwise preserved | 009305 to 009398 |
| Gelatin capsules | 009900 |
| Lecithin (animal origin) | 009900 |
| Casein glue and other glue of animal origin | 094205 to 094298 |
| Cuttlefish bones | 099998 |
| Egg albumen | 099998 |
| Fish offal for glue manufacture | 099998 |
| Tanner's albumen | 099998 |
| Tanner's egg yolk | 099998 |
| **Chemical Specialties** | |
| Dextrin or British gum | 823300 |
| Textile specialty compounds: Aquafen KE conc.; Desafen AMS (sodium silicate of betanaphthol); Desafen MT (metatolylene diamine); Iguafen O; Solvofen NB conc.; Fenopon CR conc | 823850 |
| Nitro and aceto cellulose in solution (collodion, etc.; lacquers); lacquer chips only | 826800 |
| Metal and stove polishes | 829000 |
| Floor wax, wood and furniture polishes | 829300 |
| Flavoring extracts, natural | 829350 |
| Synthetic flavoring extracts | 829390 |
| Licorice extract and mass | 829950 |
| Chemical specialty compounds, n.e.s.: dry X rosin size; carbo wax | 829990 |
| **Coaltar Dyes, Stains, Lakes, Toners** | |
| Sulphur black | 805903 |
| Synthetic indigo, all forms | 805905 |
| Synthetic flavors and perfume materials of coaltar origin, except aromatic chemicals and aromatic compounds | 806100 |
| Methyl salicylate, technical | 806915 |
| Sodium benzoate, technical | 806925 |
| **Coaltar Products** | |
| Creosote | 801000 |
| Betaoxynaphthoic acid and amino benzoic acid | 802490 |
| Propyl hydroxybenzoat and dianicidine base | 802590 |
| **Confectionaries** | |
| Honey: glucose, liquid and dry (not pharmaceutical dextrose or glucose); syrup for table use, and edible molasses (report pharmaceutical dextrose or glucose in 813595) | 164200 |
| **Drugs, Herbs, Leaves, Roots** | |
| Cascara bark | 220100 |
| Ginseng | 220500 |
| Mandrake root | 220600 |
| Henbane | 220911 |
| Rotenone-bearing roots, crude, ground or powdered | 220939 |
| Crude drugs, herbs, leaves and roots, n.e.s.: except belladonna leaves and roots and pyrethrum roots (report cascara bark in 220100 cinchona bark in 220904, henbane in 220911, pyrethrum in 220919, and rotenone-bearing roots in 220939 | 220988 |

—*Continued on page* 45

### *Soybean Stocks Report To Be Released May 9*

The April 1 report on stocks of soybeans and flaxseed, originally scheduled for release on April 29, will be released on May 9, it was announced last week by the Department of Agriculture. The delay is necessary because the data on stocks at processing plants, collected by the bureau of census and included as a part of this report, will not be available until about May 6.

## Drugs Interstate Shipment Rules Amended by USDA

Secretary of Agriculture Charles F. Brannan has approved an amendment to the rules under the federal insecticide, fungicide, and rodenticide act, granting a general permit for the interstate shipment of new drugs that come within the scope of the act when the drugs are to be used for experimental purposes. The amendment becomes effective thirty days after its publication in the *Federal Register on April* 27.

The general permit rule was established at the request of the drug manufacturers, who complained that, since they were already required to keep complete records on such drugs under the food, drug, and cosmetic act, it would be an unwarranted burden upon them should they also be required to duplicate these records for the insecticide division.

The general permit granted applies only insofar as the experimental uses are for drug purposes within the meaning of the food, drug, and cosmetic act. It does not apply to other experimental uses, even though the product may be intended for both drug and non-drug uses.

## WAA Transfers Magnesium Plant to Texas University

War Assets Administration has approved transfer of the government-owned surplus International Minerals & Chemicals Corporation plant at Austin, Tex., which manufactured raw magnesium bar stock during the war, to the University of Texas.

The property will be conveyed to the University at 100 percent public benefit allowance. Its present established fair value is $1,475,936. WAA said that efforts to dispose of the facilities to industrial purchasers have been unsuccessful. The University of Texas has had possession since September 21, 1946, under a three-year-lease utilizing the property for scientific research and educational purposes and proposes to continue to do so.

# U. S. Fears Curtailment of Farm Chemicals Use Endangers Crops

An educational campaign to counteract the fears that are developing in agriculture against the use of DDT and other newer forms of chlorinated hydrocarbons for insect control is being launched jointly by the Bureau of Entomology and Plant Quarantine and the Food and Drug Administration.

At a conference last week between officials of the two agencies it was agreed to extend immediate assurances to farmers that the use of the insecticides in accordance with the recommendations of the Department of Agriculture that have been developed from tests and experiments will not be hazardous, and that farmers should not delay their plans for meeting the insect's threat to the new season crops.

Two other important developments in the field of insecticides that took place during the week were:—

(1) The Food and Drug Administration has begun canvassing producers and large consuming industries of insecticides on the advisability of establishing tolerances for spray residues of arsenic, lead, and fluorine and for DDT and parathion on certain fruits, with the view to holding hearings on the subject later this year.

(2) The Bureau of Entomology and Plant Quarantine plans to revive its wartime program of surveying farm areas to determine the probable insect infestation during the growing season and advise farmers and insecticide manufacturers of the survey results so that plans can be made in advance to meet the insect threat.

**Wave of Fear in U. S.**

Reports have reached officials of the Department of Agriculture and the FDA that a wave of fear is spreading over the country concerning the use of DDT and other newly developed insecticides which threatens to do millions of dollars worth of damage to the agricultural industry through crop losses to insects. Officials maintain that these fears are unwarranted if the insecticides are used according to recommendations.

Siebert A. Rohwer, assistant chief of the bureau, said that he had been informed that contracts for the purchase of DDT are being cancelled and requests are being made to delay deliveries of other chlorinated hydrocarbons. He said that officials are "somewhat alarmed about the situation because the bugs are not going to wait."

One matter of particular concern is the fact that DDT is a highly effective insecticide for use against the grasshopper menace, he added, and according to present indications this menace this year may be greater than for a number of years. The new cycle of grasshopper population is now beginning, he said, and increased numbers are expected to make their appearance this year.

**Confusion at Conference**

Dr. Joseph A. Noone, technical adviser of the National Agricultural Chemical Association, who returned last week from the flying farmers conference at Kansas City, Mo., reported that a "state of complete confusion" prevailed at the conference over the increasing number of dusting and spraying contracts that are being

—*Continued on page* 47

## Tin Smelting by Private Industry Asked in Senate

A bill (S. 1433) to permit private enterprise to reenter the field of low-grade tin concentrate smelting through the purchase of low-grade ores for this purpose from the Reconstruction Finance Corporation was reported to the senate on April 27 by the senate banking committee.

Since RFC became the exclusive buyer of all tin concentrates for smelting early in the war, private smelters have been barred from this field. Under the bill, they would be permitted to again engage in smelting operations through purchases of the low-grade ore at prices no lower than the RFC pays for the low-grade concentrates from Bolivia. At the present time the RFC is operating at a loss in the smelting of the low-grade concentrates.

Another feature of the bill is that it would, in effect, guarantee a market at a definite price for the tin produced from the concentrates for four months after the sale of the concentrates.

## Uranium Processing Plant To Be Reopened in Colo.

The Atomic Energy Commission has announced the signing of a contract with the United States Vanadium Corporation for the rehabilitation and operation of the Corporation's uranium-vanadium processing plant at Uravan, Colo.

Under the terms of the contract, United States Vanadium Corporation has agreed to rehabilitate the plant and the company-owned townsite and install new equipment and facilities for the recovery of uranium. The commission has agreed to purchase the mineral production of the plant at a guaranteed unit price until June 30, 1954.

## Quebracho Shortage Held No Threat to Oil Supply

A committee of the National Petroleum Council which has been studying possible substitutes for quebracho extract used by the industry in drilling muds advised the council April 28 that in the event of an emergency that would cut off supplies of the extract to the United States the petroleum industry's needs could easily be met by substitute materials.

The committee said that the following could be used: soluble sodium salts of meta and pyro phosphoric acid; calcium ligno-sulphonates; sub bituminous products; redwood bark, and tannin from the yucatan tree.

## Quinidine Stockpiling Gets Special Handling

The Economic Cooperation Administration mission to the Netherlands has purchased 200,000 ounces of quinidine sulphate at a cost of $268,200 for the United States stockpile from the N. V. Bureau Voor den Kineneverkoop in Amsterdam. Funds for the purchase come from the Indonesia and Netherlands counterpart guilder funds which have been set up by the two governments under the ECA program in amounts equal to the grants in dollars in Marshall plan aid.

## Rubber Making Chemicals Placed on Positive List

On the same Current Export Bulletin listing the items removed from export control, the Office of International Trade added several rubber compounding chemicals to the positive list. Effective as of April 29, the following products will require a validated license for export to all destinations:—

| | Census Schedule B Number |
|---|---|
| Accelerators | 802810 |
| Antioxidants | 802850 |
| Other rubber compounding, agents of coaltar origin, n.e.s | 802890 |

## CCC Surplus Barter Bill Voted by Senate

The senate last week voted to authorize the Commodity Credit Corporation to barter surplus agricultural products for strategic and critical materials produced abroad.

The exchange program was approved as part of the legislation (S. 900) passed by the senate April 26 reorganizing the Commodity Credit Corporation to increase the number on its board of directors from five to seven and placing CCC under the control of the Secretary of Agriculture.

Under the barter plan approved, the normal commercial trade channels shall be utilized insofar as practicable, and priority is to be given to commodities easily storable and those which serve as prime incentive goods to stimulate production of critical and strategic materials.

The determination of the quantities and qualities of such materials which are desirable for stockpiling is to be made by the Munitions Board, and when acquired are to be placed in the national stockpile.

# Price Trend Turns Upward

Last week, for the first time since the first week in January, the net effect of the price movements in the markets for chemicals, oils and drugs was an advance in the overall average. The major influence was exerted by fats and oils which long had been the chief depressants.

Last week's gain was one of only 0.3 point, but it is encouraging, because only one of the ten major market divisions showed a loss for the week; that was essential oils.

There was some hopeful opining that the steadiness of prices would at least ease the uncertainty regarding their stability, which is held largely responsible for the shyness of buyers. Some are ready to believe that the process of disinflation has about been completed and that most prices are at a normal stage. Whether more in hope or in faith, the feeling is growing that the disinflation will not run as far as deflation. Anybody familiar with the pneumatic pressure of automobile tires will recognize the distinction which seems to bother some economic outspurts.

Whether supply has got up to demand or demand has got down to supply, the relations of the two have got pretty well into balance. Even nickel salts are out of the pinch; but cadmium is still excessively wanted in plating areas.

Some of the more significant price movements of the week were the further cut in zinc, the reductions on various crude petroleums, the advances in domestic edible vegetable oils—imported olive oil was reduced—an upturn in greases, and an advance in menthol. The recent reductions in nonferrous metals and glacial acetic acid were reflected in cuts in several derivatives. Government buying boosted skimmilk powder. Events in China upped tung oil and Chinese anise and cassia; the same two spices from other places were cheaper. Similar evidence of the normal functioning of supply and demand was discernible in several other splitway items.

### OPD Price Index

The Oil, Paint, and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

| Apr. 29, 1949 | Apr. 22, 1949 | Apr. 30, 1948 |
|---|---|---|
| 133.0 | 132.7 | 145.6 |

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

**OPD Index Monthly Averages**

| | 1949 | 1948 | 1947 | 1946 | 1941 |
|---|---|---|---|---|---|
| January | 142.0 | 150.4 | 150.9 | 135.3 | 107.8 |
| February | 140.4 | 147.2 | 151.9 | 133.4 | 110.3 |
| March | 137.6 | 146.2 | 134.9 | 135.2 | 111.9 |
| April | 133.6 | 146.2 | 152.3 | 134.9 | 115.5 |

2 1949 XUM

## Dunn Favors Tightening Drug Act Export Rules

Support for a tightening amendment to section 801 of the Federal food, drug and cosmetic act which would make it unlawful to export products which are unfit for human consumption or are falsely labeled, was expressed before the house interstate commerce committee on April 28 by Charles Wesley Dunn, general counsel of the Grocery Manufacturers Association.

While he is also general counsel for the American Pharmaceutical Manufacturers Association, Mr. Dunn told the committee that he was appearing only in behalf of the grocery organization at the hearings which are being held on the Van Zandt bill (H. R. 562) to prohibit the export of any product which does not meet the requirements of the food and drug act unless produced and labelled in accordance with the laws of the foreign country.

Mr. Dunn said that he believed that the Van Zandt bill was unworkable in many respects and that the aims of the legislation could be met in a simple amendment to the export provisions of the existing law.

He proposed the addition of the following language to section 801 (d) of the FDA act:—"Provided that no food, drug, device, or cosmetic shall be exported to any foreign country which is unfit for

—*Continued on page 81*

## ECA Announces Additional Procurement Authorizations

The new procurement authorizations totaling $75,136,000 were announced during the period April 21-28 by the Economic Cooperation Administration of which $60,107,000 were for purchase of materials in the United States. The total of authorizations to date now amounts to $5,192,111,000. Among the new authorizations were the following:—

To Austria—$17,000 for naval stores, except gum turpentine and $160,000 for soybean oil from the United States; $35,000 for copper from the Philippines; $65,000 for copper from China; $1,081,000 for copra from the Philippines, and a decrease of $80,000 for nickel from Canada.

To Belgium-Luxembourg—A decrease of $1,630,000 for industrial chemicals other than alcohol from the United States.

To Bizone-Germany—$550,000 for nonmetallic minerals and $194,000 for mis-

—*Continued on page 61*

## Oleomargarin Tax Repeal Bill Reported to Senate

The house-approved oleomargarin tax repeal bill (H.R. 2023) was ordered favorably reported to the senate with only minor clarifying changes on April 27 by the senate finance committee. No plans have been made by the leadership as to when the measure is to be taken up on the floor for passage.

Action on the bill came after the dairy bloc tried unsuccessfully to substitute its compromise bill that would lift all taxes on oleomargarin but prohibit interstate shipments of the yellow colored product. Another attempt will be made by the bloc

—*Continued on page 78*

## U.S.I. Elects Keeley Executive Vice-Pres.

William C. Keeley, vice-president of the Air Reduction Company, New York, from 1936 to 1948, and chairman of its finance committee during the past year, was elected executive vice-president of the U. S. Industrial Chemicals, Inc., effective today. Mr. Keeley became associated with Air Reduction after service in the first war. During the recent war he served as vice-chairman of the War Production Board for metals and minerals.

## Theophylline Price Reduced

Effective today, the Benzol Products Company, Newark, N. J. is reducing its quotation on dehydrated theophylline, USP, from $7.50 per pound, in lots of 100 pounds or more, to $6 per pound. It is also reducing to $6 per pound its quotation on aminophylline, USP, previously priced at $7.90.

The Benzol Products Company was the first to market the dehydrated form of theophylline. It has been a major supplier of that material and the ethylenediamine compound for several years. The price reductions, which eliminate the previous differential between the two products, the company says, reflects further developments in its processes which have reduced its production costs.

# Millmaster Chemical Takes Over Selling Actitivies of F. W. Berk

The Millmaster Chemical Corporation has been organized to act as exclusive selling agent for F. W. Berk & Co., manufacturer of mercury and zirconium products, New York, it was announced today. Robert J. Milano is president of the corporation which succeeds the Millmaster Chemical Company, and M. H. McAllister is executive vice-president. Mr. Milano headed the Millmaster company and Mr. McAllister was managing director of Berk, a post he will retain.

M. H. McAllister

R. J. Milano

Other officers of the new corporation are Jerome F. McGinty, secretary; Arthur Smith, treasurer, and Charles L. Westenberg, assistant treasurer. Mr. McGinty and Mr. Westenberg were associated with Mr. Milano at the Millmaster company and Mr. Smith was with Berk.

Millmaster has moved from 551 Fifth avenue, its location for thirteen years, to occupy the sales offices of Berk at 420 Lexington avenue. The former will take over the Berk sales personnel and will operate under the Millmaster name. The combined sales staff will handle all products of both companies.

F. W. Berk will continue manufacturing at its Wood-Ridge, N. J., plant and Millmaster operations at its plant in Glen Riddle, N. J., will be transferred to Wood-Ridge. Another Millmaster plant in Berkeley Heights, N. J., will be continued in operation.

The Berk company has manufactured mercury and mercurials in the United States since 1930. Two years ago, it built a new plant at Wood-Ridge to manufacture zirconium and zirconium compounds. Millmaster handles a general line of fine and heavy chemicals, barium compounds, pharmaceutical specialties, reagents and intermediates for domestic and export use.

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## Chemical Consultants Discuss Plastics

The potentialites of plastic materials in a wide variety of applications were discussed by the Association of Consulting Chemists and Chemical Engineers in an after-dinner symposium April 26 in New York. The subject was introduced by William J. Connelly, manager of consumer relations for the Bakelite Corporation, who presented the "proper perspective on plastics." The discussion was led by William Poliner, consulting engineer and product designer to the plastics industry. Among others taking part with question or comment were R. S. Aries, Philip Morgan (a British journalist in the plastics field), M. S. Sage, Alan Lukens, Auber Hansen, M. F. Lauro, Nicholas M. Molnar, Cyrus Kimball, J. T. Carrier, L. T. Work, and C. L. Mantell. The tableware was a plastic.

After the fifty-odd members and guests assembled had been introduced a la Rotary, President Percy E. Landolt introduced Mr. Connelly, who keyed his observations to the fact that the plastics industry, having increased its output from 70,000,000 pounds in 1935 to 847,000,000

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## Metasalts to Sell Darsyn Labs Products

Darsyn Laboratories, Hawthorne, N. J., has granted exclusive sales rights on its products to Metalsalts Corporation, according to R. J. McEwan, president of the latter firm. Darsyn, subsidiary of Metalsalts, has heretofore handled distribution of its own products.

Darsyn makes antipyrine, phenylhydrazine, phenylmethylprozalone and 8-hydroxyquinoline base and its derivatives.

## Monosodium Glutamate Regulations Revised

The Food and Drug Administration has ruled that monosodium glutamate used in food products may be listed as an ingredient by that name rather than by the designation "artificial flavoring." Producers had petitioned for a change in FDA's rules on the grounds that the chemical is not an artificial flavor but a substance that enhances the real flavor of the food.

## DCAT to Hear McPherrin

John W. McPherrin, editor of *American Druggist*, will discuss "Socialized Medicine" at the Spring luncheon meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held at the Astor hotel on June 23. Mr. McPherrin is currently in England investigating the effects of the socialized medicine program on doctors, pharmacists, the drug industry and the public.

## Brownell Heads A.S.&R.

Kenneth C. Brownell was elected president of the American Smelting & Refining Company, New York, last week at the firm's annual board of directors meeting. Formerly executive vice-president, he succeeds H. Y. Walker who retired recently at the age of 70.

### *Who Has It?*

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Aspirin, sodium.
2,7-Diaminoacridin.
6,7-Dihydroxybenzofuranone.
Ethylsulphochloride.
Methyl parastearylaminophenyltrimethyl ammonium.
Nitrocarbonic acid.
Phorin
Phenylurethane sulphochloride.
Piperonyl cyclohexanone.
Primuline and dehydro-4-toluidin sulpho acids, mixed.
Sulphydryl pentathionate.
3-Sulphododecyl sodium benzoate.
Vinyl phosphate.

### *Foreign Market Lists*

List of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Laundry and drycleaning industry—Dominican Republic.

Medicinal and toilet preparation importers, dealers—Surinam.

Oil (animal, fish, vegetable) importers, dealers—Western Germany.

## Antitrust Laws Revision By Congress Anticipated

Legislation permanently revising the antitrust laws to clarify the legality of industry pricing practices appears almost certain of consideration either this year or next by Congress as a result of action by the Supreme Court of the United States April 25 in sidestepping the controversial issue of the legality of basing point pricing that lacks the element of conspiracy.

Steps toward making a broad study of the need for antitrust law revision were taken by the senate judiciary committee only a few minutes before the announcement of the court when the committee reported the Myers bill (S. 1008) by a 7-2 vote placing a moratorium on all prosecutions of delivered price and freight absorption practices by individual firms in good faith to meet competition, until July 1, 1950.

The moratorium is to give Congress time to look over the antitrust laws and examine the effect of court decisions that have punched loopholes in the law or established a trend of enforcement that might be inconsistent with congressional policy. The moratorium applies only to new actions against alleged violators, and not to actions brought to enforce orders that are already in existence.

The hoped-for clarification of the rule against basing point pricing systems failed to materialize when the court affirmed the decision of the United States Circuit Court of Appeals for the Seventh Circuit in the rigid steel conduit case, by an equally divided court. The supreme court's announcement merely stated that

—*Continued on page 49*

## Oronite Transfers Deane To San Francisco Office

Oronite Chemical Company, a subsidiary of Standard Oil Company of California, has announced that J. T. Deane, vice-president, will move to San Francisco from New Orleans in the near future to take charge of all Oronite manufacturing operations.

T. I. Clausen, who has been acting assistant to the manager, chemical division, at California Research Corporation, another Standard of California subsidiary, is transferring to Oronite, and will make his headquarters in New Orleans as general superintendent in charge of manufacturing operations at the Oak Point plant.

## Carringer Retires from Esso

J. R. Carringer, vice-president and assistant to the president of Esso Standard Oil Company, New York, retired on May 1 after forty-five years with the company.

After rising through various manufacturing positions, he was made assistant superintendent of the Bayway refinery at Linden, N. J., in 1918, and manager in 1926. He was appointed assistant general manager of New Jersey refineries in 1933 and assumed a similar responsibility for all company refineries three years later.

Mr. Carringer was elected a director and general manager of manufacturing in 1940 and was named a vice-president in 1943. He became assistant to the president earlier this year.

## *Foreign Sales Leads*

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Botanical drugs, Lichtenfels, Germany (DQ-5).
Castor beans, Hamburg, Germany (DQ-7).
Citric acid, Hamburg, Germany (DQ-7.
Citrus oils, The Hague, Holland (DQ-11).
Drugs, Rangoon, Burma (DQ-2).
Enamel, Nagoya, Japan (DQ-10).
Essential oils, Lichtenfels, Germany (DQ-5).
Fats and oils, animal and vegetable, Lichtenfels, Germany (DQ-5).
Fatty acids of tallow, palm kernel, copra, corn and glycerin, Hamburg, Germany (DQ-6).
Fertilizer manufacture, machinery and technical advice, San Salvador, El Salvador (DQ-3).
Gums & resins, Lichtenfels, Germany (DQ-5).
Oilseeds, Lichtenfels, Germany (DQ-5).
Oleomargarin, Mayen, Germany (DQ-8).
Papaverine chlorhydrate, Gibraltar (DQ-9).
Pharmaceutical products, Palermo, Italy (DQ-1); Lichtenfels, Germany (DQ-5).
Soap making materials, Palermo, Italy (DQ-1).
Spices, Lichtenfels, Germany (DQ-5).
Tartaric acid, Hamburg, Germany (DQ-7).
Thickening agent for sulfonated lauryl alcohol, Brussels, Belgium (DQ-4).
Waxes, Lichtenfels, Germany (DQ-5); bees and vegetable, Hamburg, Germany (DQ-12, agency).

# *P.A.'s-Eye View of Business*

*Composite view, May 1, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents*

A slight improvement in business, perhaps seasonal, is reported by purchasing agents, for April. Production increases are reported by 19 percent of the committee members, the largest number moving upward since October, 1948, and 48 percent are continuing to maintain previously reported production schedules. Backlogs of orders were also creeping up, with 23 percent showing some betterment, and 40 percent holding even with last month. An interesting comparison of the reporters who showed production cuts in January, with their April positions, shows that only 31 percent have had further declines, while 69 percent of this group are up from the low of January. The backorder situation of the same group shows some strengthening, as 65 percent report an improvement.

The trend of business, as seen by purchasing agents, is to level off for the present, with a possible pickup this Summer or early Fall. There is much hesitancy in buying, with markets being watched carefully for a settling of prices reflecting recent basic material declines.

A bright spot in the survey for April is the apparent increase in productivity: 76 percent, increased manhour production ranging all the way from very slight to very substantial improvement. No depression pessimism is reported, but a cautious attitude, closely measuring the effects of declining prices, is very evident.

### Commodity Prices

The long-expected buyers' market, which has been observable since November, really arrived in force during April. Most industrial commodities are down, with strong indications of further declines. Supply, generally, has caught up with demand—in many cases, at least temporarily, has passed it. The nonferrous group of metals carried the most pronounced price declines. These basic commodities are incorporated into so many other materials and fabricated items that a large segment of the industrial materials list will be influenced.

We may expect to hear promptly proposals that the government subsidize high-cost producers of some of the metals.

In studying markets, purchasing agents are aware there will be exportable surpluses from Europe as those countries gain economic stability.

### Inventories

Purchased industrial inventories took a sharp drop in April, as 60 percent reported declines. With practically all commodities in ample supply and declining prices, purchasing agents are taking a shorter position on inventory, working off higher-priced materials, and adjusting stocks to lower operating levels. Inventory policy is reported to be very conservative.

### Buying Policy

"Hand-to-mouth to sixty days" is the predominant purchasing policy. Immediate availability of many materials, shorter commitment schedules on others, and the general price softening permit short-range procurement programs. There is some cancellation or deferment of longer-term commitments.

### Employment

The number on payrolls remains about the same as March. Some industries are down—some are up. Shorter hours are generally reported. Seventy-six percent of those reporting on productivity show an increase in manhour output, lower labor turnover, less absenteeism, improved quality of workmanship. Several report that production on a forty-hour week equals the previous forty-five hour week output. Others indicate there has been no increase, and a few report decreases, pointing out that, where no incentive plan is used, employees are inclined to slow down and stretch out the available work.

### Specific Commodity Changes

Lead, copper, and zinc headed the parade of price declines in April, followed by many products containing these basic materials. The long list of declines includes these important items:—Alcohol, aluminum, asbestos, autos and trucks, burlap, brass, cable, castings, conduit, paper containers, copper, electrical equipment, food, forgings, coal, coke, and oil, glycerin, iron, lead, lumber, mercury, nails, oils, paint, paper, pipe and fittings, platinum, synthetic resin, rubber, soap, some steel, tallow, textiles, tires, wire, zinc.

Up were:—Ammonia, cobalt, gasoline, shellac, turpentine.

For the second month, no commodity was reported to be in critically short supply.

### Canada

General business in Canada, in April, differs considerably from that in the States. Production is higher; backorders lower; inventories higher; employment increasing. Commodity prices have not moved down as rapidly as in the United States. Buying policy, a bit more liberal, though accent is on "hand-to-mouth to sixty days."

# *Washington Talks It Over*

**By Ralph L. Cherry**

Use of sweetpotatoes as an important source of raw material for starch manufacture is a good example of the kind of problems agricultural research faces in its efforts to develop markets for "chemurgic crops," that is, crops grown primarily to supply industry rather than the food and fiber markets. P. V. Cardon, USDA administrator of agricultural research, points out that most problems of this type call for successful solution of several subproblems. Any one of these subproblems may be solved without seeming to get the main problem cleared. As soon as a final key problem is solved, the earlier work falls into place, and farmers and industry reap the results.

Sweetpotato starch manufacture is potentially an important chemurgic possibility in the South. USDA research has worked out practical ways of making starch from sweetpotatoes with a concentration of most of the protein of the vegetable in a protein meal that is valuable as a livestock feed. Commercial scale tests of the process show, however, that the price the starch mill can afford to pay is not high enough to make attractive to the Southern farmer the growing of sweetpotatoes for starch alone.

To develop the sweetpotato as a chemurgic crop, says Mr. Cardon, we must next cut costs of production on the farm by increasing yields, by mechanized planting and harvesting, and by reducing losses from insects and diseases. Research along these lines is under way.

### Freightcars as Economic Factor

One of the most revealing indicators of future business activity—and one quite frequently overlooked, according to the New Council of American Business—is the volume of orders for new freight cars. In the past, a consistent drop in new orders for freightcars has preceded a general downturn in business activity.

Since the end of the war, the peak in freightcar orders was reached in March, 1948, when between 14,000 and 15,000 orders for cars were placed. Between the middle of 1946 and 1948, new orders averaged about 10,000 a month. But since the middle of 1948, new orders dropped rapidly until in the first two months of this year they fell to less than 1,000 a month.

This drop, together with an increase in production, has resulted in a sharp decline in the total backlog of carbuilding firms from one of thirteen months' shipments in early 1948 to one of eight and a half months in February, 1949. In other words, there is enough business on the books of these firms to keep them in business for the rest of the year; but, except for the faint hope of foreign orders or conversion to military production, there is an end in sight to the heavy production in this field.

### Health Scheme Fight Is On

President Truman's long-awaited message on his compulsory health insurance program was the signal for which his program supporters on Capitol Hill have been waiting to begin the fight in behalf of compulsory insurance. And indications are that it is going to be a long-drawnout and bitterly fought affair.

Some indication of the trend that the controversy will take is seen in the fact that the proponents of the President's program already are endeavoring to attach a communistic label to the substitute program of the Republicans, headed by

—*Continued on page 38*

## Army Plans to Sell Ohio Ammonia Plant

The Army plans to withdraw its Ohio River ordnance plant from production of anhydrous ammonia for its overseas fertilizer program this year and make the plant available to prospective purchasers so that its production can be added to domestic supplies of fertilizer. Assistant Secretary of the Army Gordon Gray has advised the senate committee on armed services.

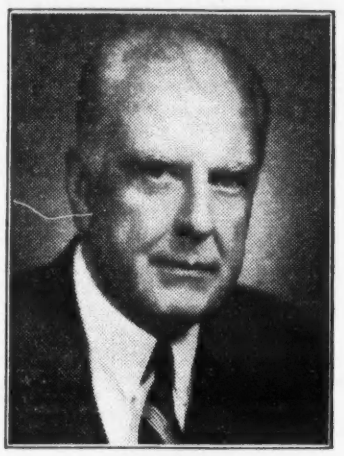
In a letter to Senator Millard Tydings of Maryland, chairman of the committee, which was placed in the *Congressional Record* on April 27, Mr. Gray said that the Army will advertise the plant for sale to private industry under the terms of the national security clause, which provides that the plant shall be turned back to the government in an emergency when required by the Secretary of the Army.

Mr. Gray stated that it now appeared that the Army's requirements for occupied areas and firm commitments to the Economic Cooperation Administration for Korea require a production of 373,000

—*Continued on page 49*

## Amer. Can Names Three To Top Executive Posts

Three ranking executives who have spent practically their entire business lives in the service of the American Can Company, New York, were promoted on



D. D. Figgis

April 26 to fill the positions of chairman of the board, president, and executive vice-president.

Dudley W. Figgis, who has been president of the company since 1943, was named chairman of the board, following the retirement of Maurice J. Sullivan as the company's chief executive officer. Mr.

—*Continued on page 49*

## Maneely Chemical Opens New $500,000 Plant

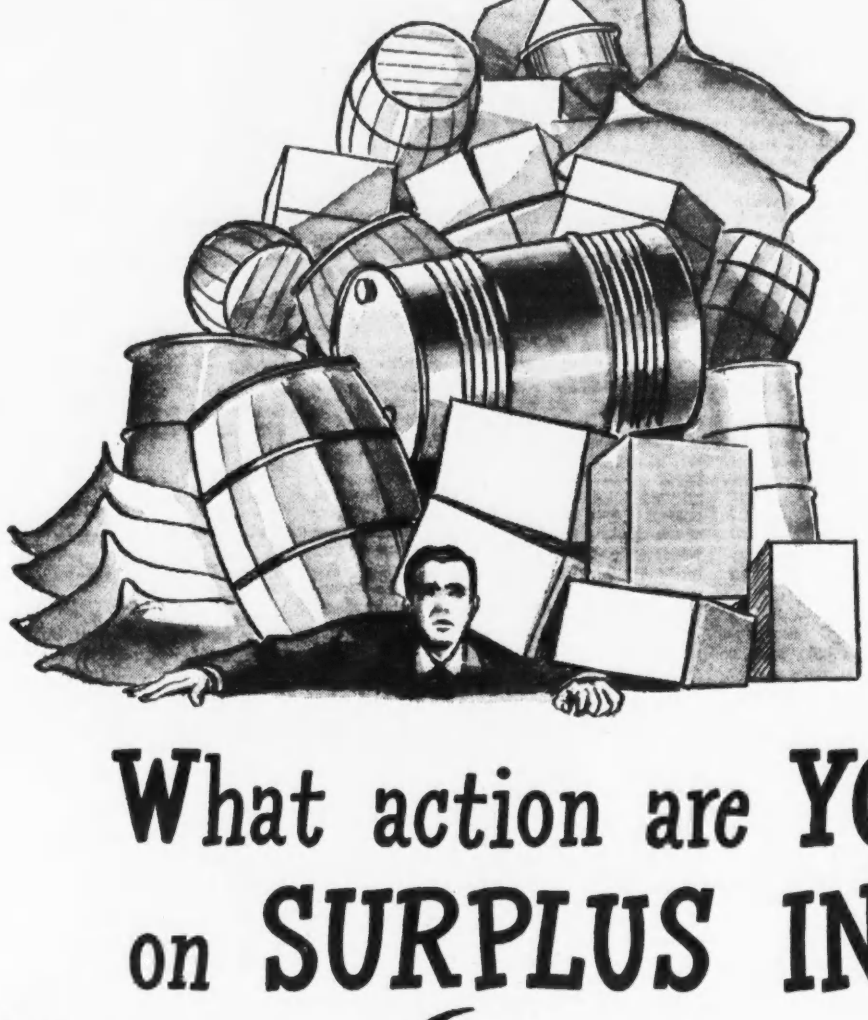
Construction has been completed and preliminary operations started at the new $500,000 plant of Maneely Chemical Company in Wheatland, Pa. The plant was designed to solve at a profit the pickel liquor disposal problem of Maneely's parent companies, Wheatland Tube Company and Wheatland Steel Products Company.

The process utilizes two waste materials, spent pickle liquor and zinc wastes, from operations of the parent companies to make three salable products:—ferric hydrate, zinc sulphate and zinc chloride. Liquid chlorine is the only other raw material necessary in the process.

The Maneely process is said to be attracting wide attention throughout the steel industry and among experts concerned with the growing problem of stream pollution from industrial waste disposal. Technical information is available upon request to the company at 1300 Bankers Securities building, Philadelphia 7, Pa.

## Air Reduction Elects Munson Board Chairman

Air Reduction Company, New York, has elected Charles S. Munson chairman of the board of directors, to succeed Charles E. Adams, who was named chairman of the executive committee. Mr. Munson, who has been associated with the company since 1919, served as president from 1937 to 1948 and as chairman of the executive committee since then. He is president of the Manufacturing Chemists Association.



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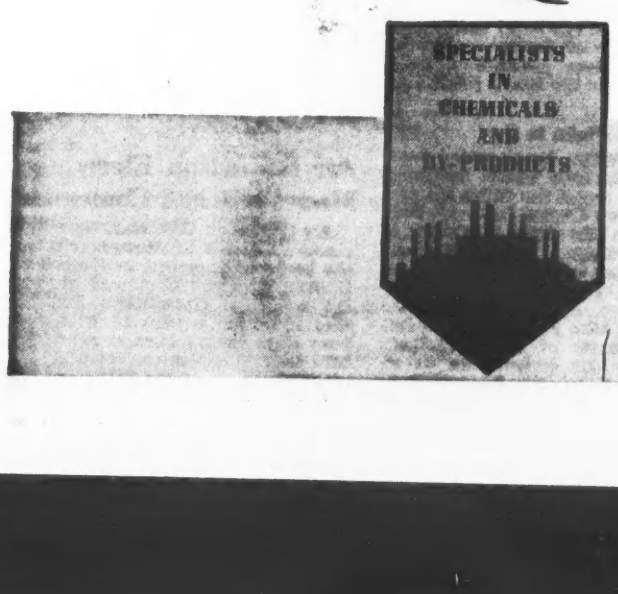


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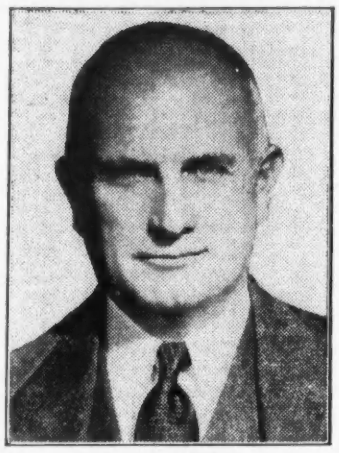
## Association Meetings

American Association of Cereal Chemists, Statler hotel, New York, May 16-20.
American Association for Advancement of Science, Vancouver, B. C., June 13-18.
American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.
American Chemical Society, Atlantic City, N. J., September 18-23.
American Electroplaters Society, Schroeder hotel, Milwaukee, Wis., June 27-30.
American Institute of Chemists, Edgewater Beach hotel, Chicago, May 6-7.
American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.
American Management Association, packaging exposition, Altantic City, N. J., May 10-13.
American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.
American Petroleum Institute, Chicago, November 7-10.
American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.
American Plant Food Council, Mount Washington hotel, Bretton Woods, N. H., June 19-22.
American Society for Quality Control, Copley Plaza hotel, Boston, May 5-6.
American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 19-22.
American Spice Trade Association, Edgewater Beach hotel, Chicago, May 9-11.
American Water Works Association, Stevens hotel, Chicago, May 30-June 1.
Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.
Association of Consulting Chemists and Chemical Engineers, Sheraton hotel, New York, April 26.
Chamber of Commerce of the United States, Washington, May 2-5.
Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.
Chemical Market Research Association, annual business meeting, New York, June 9.
Drug, Chemical and Allied Trades Section, New York Board of Trade annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.
Electrochemical Society, Ben Franklin hotel, Philadelphia, May 4-7.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.
Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.
Flavoring Extract Manufacturers Association, Drake hotel, Chicago, May 16-18.
Forest Products Research Society, Grand Rapids, Mich., May 2-4.
Independent Petroleum Association of America, Roosevelt hotel, New Orleans, May 3-4.
Institute of Food Technologists, Civic Auditorium, San Francisco, Calif., July 10-14.
International Congress of Biochemistry, Cambridge, England, August 19-25.
International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.
International Union of Chemistry, Amsterdam, Netherlands, September 6-10.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 9-11.
Manufacturing Chemists Association, Skytop Inn, Skytop, Pa., June 2-3.
National Agricultural Chemicals Association, Westchester Country Club, Rye, N. Y., May 5-6.
National Association of Insecticide and Disinfectant Manufacturers, Drake hotel, Chicago, June 13-14.
National Association of Purchasing Agents, Stevens hotel, Chicago, June 20-22.
National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.
National Cottonseed Products Association, French Lick Springs, Ind., May 23-25.
National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.
National Fertilizer Association, White Sulphur Springs, W. Va., June 13-15.
National Fruit and Syrup Manufacturers Association, Drake hotel, Chicago, May 19.
National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.
National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.
National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.
National Sanitary Supply Association, Sherman hotel, Chicago, May 8-11.
National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.
Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.
Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.
Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.
Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.
Society of Chemical Industry, Manchester, England, July 11-15.
Society of Cosmetic Chemists, Spring meeting, Biltmore hotel, New York, May 20.
Society of the Plastics Industry, Edgewater Beach hotel, Chicago, May 26-27.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, May 11, annual outing, Shawnee Inn, Shawnee-on Delaware, Pa., June 7-9; annual meeting, Commodore hotel, New York, December 7.
Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.
Western Conference on Packaging, Packing and Shipping and Western Packaging Exposition, San Francisco Civic Auditorium, August 9-12.

## Pennsalt Elects Beitzel President, Beale Chairman

George B. Beitzel, since January 1 executive vice-president of the Pennsylvania Salt Manufacturing Company, Philadelphia, has been elected president, succeeding Leonard T. Beale, who has been named chairman of the board. At the



George B. Beitzel

company's annual meeting on April 27 the directors also elected William P. Drake vice-president in charge of sales and William F. Mitchell vice-president in charge of manufacturing.

Mr. Drake, formerly assistant vice-president in charge of sales, assumes the position left vacant when Mr. Beitzel became executive vice-president. Mr. Mitchell, who was assistant vice-president in charge of manufacturing, succeeds Y. F. Hardcastle, who retires from active participation in the company's operations but who remains as a member of the board.

Mr. Beitzel and Fred C. Shanaman, president of the Pennsylvania Salt Manufacturing Company of Washington, wholly-owned West Coast subsidiary, were elected to two new directorships recently cre-

—Continued on page 63

## NACA Semi-Annual Meeting Set for Rye, N.Y., May 5-6

The semi-annual meeting of the National Agricultural Chemicals Association, at which the entire subject of current problems facing the DDT industry is expected to thoroughly investigated, will be held at the Westchester Country Club, Rye, N. Y., on May 5 and 6.

Among the speakers will be Dr. Paul B. Dunbar, Commissioner of Food and Drugs; S. A. Rohwer, assistant chief of the bureau of entomology and plant quarantine of the Department of Agriculture; Ernest T. Trigg, of the National Paint, Varnish and Lacquer Association, and Dr. C. E. Guterman, director of the New York State agricultural experiment station at Cornell University. There also will be an industry forum.

## American Flange Opens Third Plant in Linden

The American Flange & Manufacturing Company on April 27 opened at Linden, N. J., its third plant for the manufacture and delivery of "Tri-Sure Closures." The company's other factories that produce steel drum fittings are located at St. Catherines, Canada, and Chicago.

John Myers, secretary of the company, presided at the official opening, which was attended by state and local officials, as well as officers of the company and the press. The ceremonies were followed by a luncheon at the plant.

An informal discussion between city officials and Mr. Myers, pertaining to use of part of the factory grounds for construction of a new playground, seemed to meet with company approval.

## McCarthy Gross Purchasing Head; Adams Directs Sales

A. Gross & Co., manufacturer of stearic acid, red oil, glycerin and fatty acids, New York, has placed M. J. McCarthy in charge of purchases and Eugene W. Adams in charge of sales in a reorganization of its executive personnel.

Mr. McCarthy, who is vice-president and treasurer of the company, was formerly director of sales. Mr. Adams, also a vice-president, previously served as Mr. McCarthy's assistant.

## *NAIDM June Program Is Nearly Complete*

The National Association of Insecticide and Disinfectant Manufacturers has reported that the program is almost complete for its thirty-fifth midyear meeting, to be held at the Drake hotel, Chicago, on June 13 and 14.

According to the tentative arrangements, the opening session on June 13 will take up general association matters, including discussion and vote on the reorganization plan. The afternoon of June 13 and the morning of June 14 will be devoted to division meetings on disinfectants and deodorants; insecticides; aerosols; wax; and soaps and sanitary chemicals. The final session on June 14 will take up general subjects of interest to the entire membership.

## Ungerer Shifts Six Of Executive Family

Ungerer & Co., essential oils and aromatic chemicals, New York, has elected F. H. Ungerer chairman of the board and K. G. Voorhees president and treasurer. Mr. Ungerer had been president since 1930 and Mr. Voorhees had been executive vice-president since 1933.

Other changes in management moved I. H. Budd from second to first vice-presi-

K. G. Voorhees

dent; H. B. Moore from third to second vice-president; W. H. Dunney, jr., from secretary to third vice-president, and W. A. Bush to secretary.

Mr. Ungerer joined the company in 1896, three years after it was founded by

—Continued on page 63

## Cosmetic Chemists Plan Technical Meeting May 20

The Society of Cosmetic Chemists has completed the program for its semi-annual technical meeting, to be held at the Biltmore hotel, New York, on May 20. Papers to be presented at the morning session will be:—"Shampoo Formulation," by H. W. Zussman; "Deodorant Properties of an Alkyl Aryl Sodium Sulphonate," by Lawrence Flett; 'Surface Active Agents in the Cosmetics Industry," by Foster D. Snell and Irving Reich, and "Cosmetic Functions of Synthetic Detergents," by Anthony M. Schwartz.

The business meeting and luncheon session will follow, and the following papers will be presented in the afternoon:—"Practical Aspects of Emulsion Formulation," by I. R. Hollenberg; "The Influence of Some Aromatic Chemicals and Essential Oils on the Stability of Cosmetic Emulsions," by S. A. Karas; "Measurement of Odors in the Cosmetics Industry," by Louis C. Barail; "A Simplified Method for Determining the Approximate Bacteriostatic Potency of Chemicals," by Arthur Cade, and "Cosmetics from a Medical Viewpoint," by Austin Smith.

## SAACI Sets Golf Dates

The Salesman's Association of the American Chemical Industry has scheduled dates for its golf tournaments during the 1949 season. The dates are:—June 9, Bonnie Briar Country Club, Larchmont, N. Y.; July 19, Montclair Golf Club, Montclair, N. J.; August 16, Baltusrol Country Club, Springfield, N. J., and September 15, Huntington Crescent Country Club, Huntington, L. I.

## Health Insurance Bill Introduced in Congress

Administration supporters in the house and senate introduced a comprehensive medical expansion and health insurance bill on April 25 to carry out the President's program for the nation's health. A surprise move, regarded as a significant development, was that the introduction of the bill in the senate was led by Senator Elbert Thomas of Utah, chairman of the senate commitee on labor and public welfare. In the house, Representative John D. Dingell of Michigan, was again chief sponsor of the bill (H. R. 4312), while an identical measure (H. R. 4313), was introduced by Representative Andrew J. Biemiller of Wisconsin.

Sponsors of the measures do not anticipate that it will be passed this year, but are hopeful that the hearings can be gotten out of the way in time to give active consideration to the legislation next year. The hearings will be held first in the senate and are expected to run for at least six weeks.

According to its sponsors, the bill has two principal objectives:—to assure enough medical services to meet the country's needs, and to provide a means for making them available to everyone. In addition, it provides for broad expansion of medical research, and for the experimental development of farmers' health cooperatives.

The first part of the bill is devoted to measures for medical expansion. Through grants-in-aid to the states, it authorizes federal assistance for the expansion of hospital construction, medical education, local public health services, and material and child health activities, and provides grants, loans and other incentives to promote the better distribution of medical personnel and facilities.

**Controversial Features**

The second part of the bill contains the controversial features of compulsory health insurance. It would set up a national fund known as the "Personal Health Services Account," similar to the old-age and survivors insurance trust fund, to be administered by a national health insurance board.

The sponsors state that both workers and their employers would contribute 1½ percent of payroll to the fund, out of which all doctor and hospital bills of the workers and their dependents would be paid under a system designed to assure the maximum decentralization of administration with state and local control.

In addition to the basic worker-employer contributions, the federal government would add up to ½ percent of payroll through 1954 and up to one percent through 1957. This they state, would bring the total to approximately $6,000,000 a year.

The actual payments to doctors and hospitals would be administered by local committees, made up of both doctors and laymen, under the provisions of state plans approved by the health insurance board on the basis of general requirements laid down in the bill.

**Manner of Payments**

The doctor would be paid on the basis of so much per service (according to an agreed upon schedule of fees), so much per person per year, a whole-time or part-time salary, or a combination of two or more of these methods. The particular method or combination used in each local community would be determined by the majority of the doctors themselves. Specialists would be paid according to any of these methods or on the basis of so much per case or per session, and in line with their professional attainments.

Nation-wide aspects of the health insurance program would be administered by the health insurance board in consultation with a "national advisory medical policy council." Three members of the five-man board, at least one of whom would be a doctor of medicine, would be appointed by the President. The other two would be the Surgeon General of the Public Health Service and the Commissioner for Social Security. The board would function under the "direction and supervision" of the Federal Security Administrator. The advisory council would consist of the chairman of the board and sixteen members appointed by the Federal Security Administrator.

Under the bill's terms, in the event that a state chose not to submit its own plan for administering the act within its borders, the health insurance board is required to undertake the task. It would withdraw whenever the state chose to administer the program itself.

**ADMA's Views on Medical Care**

The introduction of the bill came a few weeks after the American Drug Manu-

—Continued on page 63

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16 DESBROSSES STREET, NEW YORK 13, N. Y. • 221 NORTH LASALLE STREET, CHICAGO 1, ILL.

LOS ANGELES: BRAUN CORP. • SEATTLE, PORTLAND, SPOKANE: VAN WATERS & ROGERS, INC. • SAN FRANCISCO: BRAUN-KNECHT-HEIMANN CO.

# Current Market Quotations

## Chemicals and Related Materials

### April 29, 1949

**Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.**

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## A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½ - .13
tanks, works lb. .10 - —

Acetaldol (see Aldol).

Acetamide, CP, fib, dms lb. .65 - .75
tech., fib. dms lb. .38 - .43

Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —

Acetic anhydride, dms., c.l., frt. alld. E lb. .13½ - —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —

Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .67½ - —

Acetoacetorthoanisidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., c.l., works lb. 1.14 - —
l.c.l., same basis lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —

Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .09½ - .10
tanks, dlvd lb. .07½ - —
Methyl (see M).

Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20

Acetophenone, cns., dms lb. 1.30 - 1.35
tech., l.c.l., dms., works lb. .75 - —

Acetoacetoparaphenetidide, dms., 500 lbs. or more, works. lb. 1.65 - —
smaller lots, same basis lb 1.90 - —

Acetyl chloride, chys., works lb. .55 - .60

Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms lb. .36 - .39
smaller pkgs lb. .41 - .47

Acid, abietic, dms., c.l., works lb. .07½ - —

Acetic, com'l or redist., 28% bbls 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs. 10.85 - 11.10
glacial, synthetic, CP, dms., works 100 lbs. 13.50 - 14.00
USP, dms., works 100 lbs. 11.50 - 12.00
tech., dms., c.l., works 100 lbs. 9.00 - —
l.c.l., works 100 lbs. 9.50 - —
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .26½ - —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —

Battery, chys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.15 - 2.85

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59

Betaoxynaphthoic, bbls., works lb. 1.25 - 1.43

Boric, tech., 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots, ex whse, N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots ex whse., N. Y. or Chi ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi ton. 155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton. 86.75 - —
powd., bgs., c.l., works ton. 95.25 - —
ton lots, ex whse., N. Y. or Chi ton. 140.00 - —

Acid, boric, tech., 99½%, powd., less ton lots, same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bulk, c.l., works ton. 91.75 - —
USP $25 per ton higher.

Broener's bbls. lb. 1.34 - 1.45

Butyric, 99%, dms., c.l., works lb. .34½ —
l.c.l., works lb. .35 —
tankcars, works lb. .33 —

Cacodylic, bots. lb. 12.00 - 13.00

Camphoric, natural, dms lb. 6.00 - 6.75
synth., dms lb. 5.25 - 8.00

Capric, tech. dms lb. .50 - .50½

Caprylic, 99%, dms lb. .50 - .50½

Castor oil, split, dms lb. .21 - .22

Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½ - .04½
tanks, works lb. .02½ —

Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l., works lb. .26 - .27
USP, 5 lb. bots. lb. .82 —

Cinnamic, refd., bots lb. 3.00 - 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½ —
10,000 lbs., 1 ship't lb. .27 —
smaller lots lb. .27½ —
kgs. lb. .28½ —

Anhydrous citric acid powder, ½c. per lb. higher

USP, cryst., dms., c.l. lb. .27½ —
10,000 lbs., 1 ship't lb. .28 —
smaller lots lb .28½ —
kgs. lb. .29½ —
gran., fine gran., dms., c.l. lb. .24½ —
10,000 lbs., 1 ship't lb. .25 —
smaller lots lb. .25½ —
kgs. lb. .26½ —

USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .65 - .66

Coconut oil, dist., dms. lb. .22¾ - .23¼
double, dist., dms lb. .24¾ - .25¾

Corn oil, s.d., dms lb. .10 Nom.

Cottonseed oil, dist., dms lb. .09½ - .10½

Cresylic, dom., coaltar, high boil 50% (210°-215°), c.l., frt. equald gal. 1.36 - 1.41
l.c.l., same basis gal. 1.39 - 1.44
tanks, same basis E. gal. 1.30 —
low boil, 50% (204°-206°), and special blends, c.l., same basis gal. 1.41 - 1.46
l.c.l., same basis gal. 1.44 - 1.49
tanks, same basis gal. 1.35 - —

Acid, cresylic, dom., petroleum, 185°C. to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 —

190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 —
l.c.l., same basis gal. .95 - .97
tanks, same basis gal. .85 —

210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 —
l.c.l., same basis gal. .765 - .785
tanks, same basis gal. .665 —

235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 —
l.c.l., same basis gal. .72 - .74
tanks, same basis gal. .62 —

Crotonic, bbls., Canadian, works lb. .35 —

Dichlorophenoxyacetic, (see "D", 2, 4-D)

Diethylbarbituric (see Barbital).

Diglycolic, bgs., works lb. .22 - —

Ethylhexoic, dms., c.l., works lb. .31 —
l.c.l., works lb. .31½ —
tanks, works lb. .29½ —

F, bbls., works lb. 1.73 - 1.78

Folic, bots., fib. ctns., kilo or more gram. 2.00 —

Formic, 85%, cbys., c.l., dlvd lb. .13 - .13½
l.c.l., dlvd lb. .13½ - .14
90%, cbys., c.l., dlvd lb. .13½ - .14
l.c.l., dlvd lb. .14 - .14½

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 - 1.65

technical, bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb. 1.46 - 1.48

Gamma, bbls. lb. 1.20 - 1.30

Gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 —
kgs. lb. .16 —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 - 2.40
25 lb. lots lb. 2.45 - —

Glycerophosphoric, 35%, dms., works lb. 2.15 - —

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .73½ —

Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. 1.10 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —

Acid, hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½ - —
30%, steel dms., works lb. .08½ - .09
70% steel dms., works lb. .15¾ - .16¼

Hydrofluosilicic, 30-35%, bbls lb. .08 - .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 —
tanks, Belle, W. Va., 100% basis lb. .085 - —

Hypophosphorus, USP, djns lb. .75 - .77

I, bbls., works, 20% basis lb. 2.64 - 2.87

L, bbls., works lb. .80 - .93

Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 20 bbls. or more, lb. .28½ - —
plastic grade, 50%, bbls., 20 or more lb. .19¾ - —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3370 - .3400
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —

NF, 85%, cbys lb. .69 .73

Laurent's, bbls lb. .87 —

Lauric, dist., 85-90%, dms lb. .28 - .28½
60%, dms. lb. .25 - .25½

Linseed oil, reg dist., dms lb. .3180 - .3230
water white, dms lb. .3480 - .3530

Maleic, powd., dms lb. .30 .31
Anhydride (see M).

Malic, dms. lb. .47 - —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 - —
smaller lots lb. 1.90 2.10

Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085 .009

Molybdic, dms., 85%-92%, works lb. .92 - .93

Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .23¼
tech., flake, 96-97%, bbls lb. .18 - .19

Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton. 20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton. 25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ - —
l.c.l., same basis lb. .09¼ - 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ - —
l.c.l., same basis lb. .14¼ - .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb. .45 Nom.

Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic see Acid, L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).

(2)-6-sulphonic (see Acid, Broener's).

(2)-7-sulphonic (see Acid, F).

(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms lb. .88 .91

Nicotinic, USP, dms., works kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 —
l.c.l., E. works 100 lbs. 5.40 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E. works 100 lbs. 6.90 7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½ —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½ —
l.c.l., same basis lb. .17 .18

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Orthocresotinic, dms, c.l., works lb. .67 —
l.c.l. works lb. .69 —

Oxalic, bbls., c.l., works lb. .14½ —
10,000 lbs., works lb. .14¾ - .15
smaller lots, works lb. .15¼ - .15¾

Palm oil, white, dist., dms lb. .21¼ - .21¾

Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 - —
smaller lots, same basis lb. 3.85 - 4.00

Para-aminosalicylic, dms., 100 lbs. lb. 20.00 —
smaller lots lb. 20.15 - 21.00

Paramethylphenylcinchonic (see Neocinchophen).

Paranitrobenzoic cns. lb. .87 —

Paratoluidinemetasulphonic, bbls., works lb. .92 .93

Peanut oil, s.d., dms lb. .12¼ Nom.

Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .65

Phenylacetic, bots lb. 1.51 1.75

Phenylcinchoninic (see Cinchophen).

Phenylglycollic (see Acid, mandelic).



## *Abbreviations*

### *Used in OPD Market Quotations*

| | | | | | |
|---|---|---|---|---|---|
| alld. | allowed | distr. | distributor | neut. | neutral |
| ammo. | ammonia | djns. | demijohns | NF | National Formulary |
| amorph. | amorphous | dlvd. | delivered | | |
| anhyd. | anhydrous | dms. | drums | nom. | nominal |
| a.p.a. | available phosphoric acid | dom. | domestic | No. | number |
| artif. | artificial | E. | east | ord. | ordinary |
| ASTM. | American Society for Testing Materials | e.p. | end point | oz. | ounce |
| | | equald. | equalized | Pac. | Pacific |
| | | F. | fahrenheit | pf. | proof |
| Be. | Baume | ferment. | fermentation | phos. | phosphate |
| bgs. | bags | ffa. | free fatty acid | photo. | photographic |
| bbls. | barrels | ffc. | free from chlorine | pkgs. | packages |
| bls. | bales | | | powd. | powdered |
| bots. | bottles | fib. | fiber | precip. | precipitated |
| b.p. | boiling point | f.o.b. | free on board | prod. | producer |
| b.p.l. | bone phosphate of lime | F.P.A. | free of prussic acid | pt. | point |
| | | | | pulv. | pulverized |
| b.r. | boiling range | frt. | freight | purif. | purified |
| bxs. | boxes | fus. | fused | redist. | redistilled |
| C | centigrade | gal. | gallon | refd. | refined |
| cbys. | carboys | gran. | granular | refy. | refinery |
| CD | completely denatured | grd. | ground | reg. | regular |
| | | i.&a. | iron and aluminum | resub. | resublimed |
| c.i.f. | cost, insurance, freight | | | ret. | returnable |
| cks. | casks | i.b.p. | initial boiling point | SD | specially denatured |
| c.l. | car lots | imp. | imported | s.d | single distilled |
| cns. | cans | incl. | included | S. E. | southeast |
| col. | color | indust. | industrial | secs. | seconds |
| com'l | commercial | kgs. | kegs | s.g. | specific gravity |
| conc. | concentrated | lacq. | lacquer | ship't | shipment |
| CP | chemically pure | lb. | pound | solut. | solution |
| cps. | centipoises | l.c.l. | less than car lots | s.u. | standard unit |
| cryst. | crystal | liq. | liquid | synth. | synthetic |
| cs. | cases | m.a.p. | mixed aniline point | tech. | technical |
| ctns. | cartons | | | USP | U. S. Pharmacopoeia |
| cyls. | cylinders | min. | minimum | vis. | viscosity |
| dbl. | double | m.p. | melting point | VM&P | varnish makers & painters |
| denat. | denatured | N. | nitrogen | W | west |
| dest.-dist. | destructive-distilled | nat. | natural | w.w. | water white |
| dextro. | dextrorotatory | | | whse | warehouse |
| dist. | distilled | | | | |

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

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## Acid, Phosphoric—Alphanitronaphthalene

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l. lb. .10½- —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb 3.45 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .52 - —
l.c.l., works lb. .54 - .58
Soybean oil, single dist., dms lb..1140 -.1220
double dist., dms lb..1240 -.1340
Stearic, double pressed, bgs. lb. .14½- .15½
single pressed, bgs lb. .14 - .15
triple pressed, bgs. lb. .16¾- .17¾

Acid, succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .75 - —
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., bbls., works lb. .65 - .75
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton.19.00 - —
Tallow, dist., dms lb. .10¼- .11¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls. 10,000 lbs., 1 ship't lb. .34½- —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.85 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.80
Toluenesulphonic, dms., works, l.c.l. lb. .20 - —
c.l., tanks lb. .18½- —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots. oz.27.50 -32.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls. lb. .35 - .40
Agar, USP. lb. 2.70 - 2.85
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls. lb. .35 - .40
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls. lb. 2.42 - 2.50
powd., bbls lb. 2.47 - 2.55
tech., cryst., bbls lb. 1.30 - 1.35
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .26½- —
l.c.l., dlvd. lb. .27½- —
tanks, dlvd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .18 - —
l.c.l., frt. alld. E. of Miss lb. .19 - —
tanks, frt. alld. E. of Miss lb. .17 - —
(see also Fusel oil, ref.)

Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34½- —
tanks, dlvd lb. .32 - —
128-132°C, dms., l.c.l., dlvd. lb. .36 - —
ACS grade, dms., l.c.l., dlvd lb. .42 - —
Benzyl, cns. lb. .72 - .80
dms. lb. .68 - .88
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld lb. .16½- —
l.c.l., frt, alld. E lb. .17½- —
tanks, frt. alld. E lb. .15 - —
tankwagon, frt. alld. E lb. .15½- —
other production, dms., c.l., frt. all. E lb. .16½- —
l.c.l., frt. alld.E lb. .17½- —
tanks, frt. alld. E lb. .15 - —
synthetic, normal, dms., c.l. frt. alld. E lb. .16½- —
l.c.l., frt. alld. E lb. .17½- —
tanks, frt. alld. E lb. .15 - —

Normal synthetic butyl alcohol prices in West .01c. per lb. higher

secondary, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .10½- —
tertiary, dms., c.l. lb. .13½- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber cns., 1,000 lbs lb. 1.50 - —
smaller lots lb 1.55 - —
Cinnamic, bots lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R gal. .34½- .35
l.c.l., dlvd. E. of Miss. R. gal. .38½- .44
tanks, dlvd. E. of Miss. R. gal. .25 - —

Tankcar sales require written authorizations by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R. gal. .33½- .34
l.c.l., same basis gal. .37½- .43
tanks, same basis gal. .24 - —
SD2B, dms., c.l., E. of Miss. R. gal. .31½- .32
l.c.l., same basis gal. .35½- .41
tanks, same basis gal. .22 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .34½- .35
l.c.l., same basis gal. .38½- .44
tanks, same basis gal. .25 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R gal. .32 - .32½
l.c.l., same basis gal. .36 - .41½
tanks, same basis gal. .22½- —

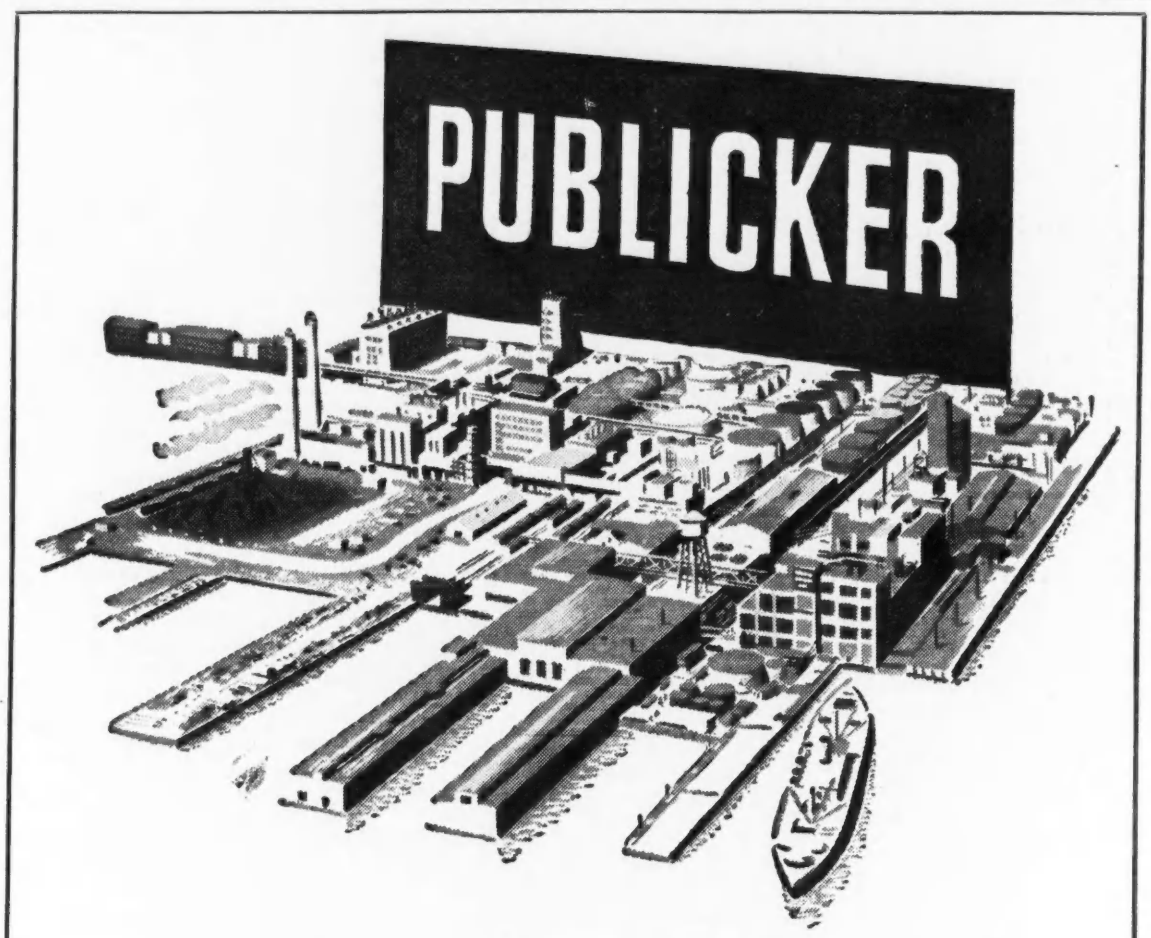
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.

Proprietary solvent, dms., c.l., dlvd. E. Miss. R gal. .34½- .35
l.c.l., same basis gal. .33½- .44
tanks, same basis gal. .25 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Special solvent (see Alcohol, denat., proprietary).

Diacetone, acetone free, dms., c.l., dlvd. lb. .13½- .16½
l.c.l., dlvd lb. .14 - .17½
tanks, dlvd lb. .12 - .15
tech., dms., c.l., dlvd lb. .14 - .15½
l.c.l., dlvd lb. .16 - .16½
tanks, dlvd lb. .12½- .14
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal.17.40½-17.41
l.c.l., same basis gal.17.44½-17.50
tanks, same basis gal.17.31 —
tax free, dms., c.l., dlvd. E. Miss. R gal. .30½- .31
l.c.l., same basis gal. .34½- .40
tanks, same basis gal. .21 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal.18.37½-18.38
l.c.l., same basis gal.18.41½-18.47
tanks, same basis gal.18.28 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd gal. .32½- —
l.c.l., dlvd gal. .35½- —
tanks, dlvd gal. .22½- —
95%, dms. incl., c.l., dlvd gal. .34 - —
l.c.l., dlvd gal. .37 - —
tanks, dlvd gal. .24 - —
NF, 99%, dms. incl., c.l., dlvd. gal. .35½- —
l.c.l., dlvd gal. .38½- —
tanks, dlvd gal. .25½- —
Methyl (see Metnanol).
Methylamyl (see carbinol, methylisobutyl).
Octyl, perfumer's grade, bots. lb. 2.40 - —
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works. lb. .12 - —
l.c.l., works lb. .12½- —
tanks, works lb. .10½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .80
Allspice, Jamaica (see Pimento).
Mexican, bgs lb. .14 - .14½
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, cape, cs lb. .35 - .40
Curacao, kgs lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .37 - —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| **BUTYL ALCOHOL** | **ETHYL ACETATE** | **THERMO ANTI-FREEZE** |

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CABLE—"WILNEUBERG"

## Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald lb. .27 - .30
l.c.l., works, frt. equald lb. .29½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, bots kilo.600.00 - —
Acetate, bots kilo.600.00 - —
Althea root, NF, peeled, bls lb. .30 - .35
Alum, ammonia, gran., bbls., works. 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, hydrous, bbls. lb. .07¾- .08
Potash-chrome, bbls lb. .12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- —
l.c.l., works lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06½- .06¾
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .02¾- —
l.c.l., works lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. 11 - .13
Aluminum formate, basic solution, cbys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% $Al_2O_3$, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% $Al_2O_3$, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- .25
Oleate, dms., contract lb. .43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, 280-400 crystalline, flour, classified, 3-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
Aluminum oxide, crystalline, flour, classified, 500 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld lb. .51 - .53
kgs., frt. alld lb. .50 - —
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 - —
jars, works lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish, standard, dms lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. per lb. for 50-lb drm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .24¾- —
Stearate, dibasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l lb. .30 - —
l.c.l. lb. .31 - —

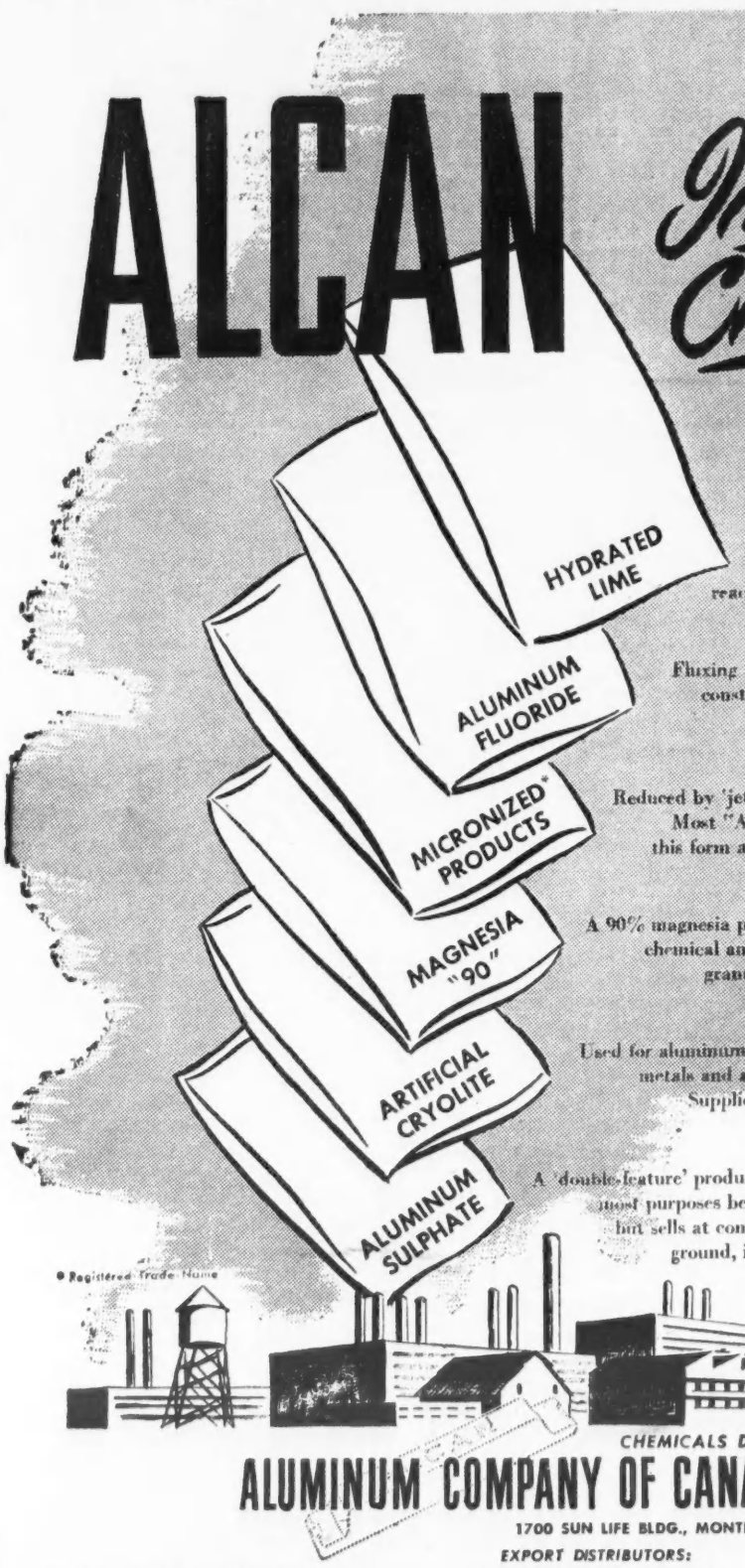
Aluminum sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 - —
Aminomethylpropanol, cns., dms., works lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Aminophylline, USP, bots., kgs lb. 7.90 - 8.05
Aminopyrine, USP, bots., dms lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -85.00
pure, cyls. extra lb. .17 - .21
refrigeration, tanks, works ton.77.50 - —
Aqua (29.4% $NH_3$), dms., c.l., works 100 lbs. 2.85 3.00
l.c.l., works 100 lbs. 3.25 3.50
tanks, works, anhyd. basis ton.76.00 -85.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 7.50 - —
l.c.l., same basis 100 lbs. 7.90 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.360.50 - —
Bicarbonate, dms., works, c.l lb. .05½- —
l.c.l., works, dms lb. .09 - —
Bichromate, bbls., works lb. .26 - .30
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls lb. .36 - .37
dms. lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .18½- .22
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, salD.
USP, bbls., dms., kgs lb. .20 - .22
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.96 - 4.00
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld lb. .21¼- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.79.50 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton.46.00 - —
Oleate, dms. lb. .30¾- —
Oxalate, fine gran., dms lb. .25 - —
dms., 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs lb. .25 - —
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs lb. 1.35 - 1.37
Silicofluoride, dms., works lb. .12 - .13
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton.45.00 -48.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys lb. 2.45 - —
commercial, same basis lb. 2.15 - —
Thiosulphate, jars lb. .32 - .36
Amphetamine hydrochloride, bots lb.45.00 -50.00
Phosphate, bots lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .21½- .22
l.c.l., dlvd. lb. .22½- .23
tanks, dlvd. lb. .20½- —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .21½- —
l.c.l., same basis lb. .22½- —
tanks, same basis lb. .20½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 - —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns lb. .77 - 1.03
Anethol, com'l, dms., works lb. .50 - —
NF, cns., dms lb. .77 - .82
Angelica root, dom., bls lb. .70 - .80
imported, bls. lb. .98 - 1.00
Angostura bark, bls lb. .48 - .50
Anilin oil, dms., c.l., works, frt. alld lb. .16 - —
l.c.l., works, frt. alld lb. .17 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .12½- .13
Cyprus, bgs lb. .20 - .20½
Mexican, bgs. lb. .16½- .17
Syrian, bgs lb. .15¾- .16¼
Anisic aldehyde, bots., dms lb. 2.10 - 2.20
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 - 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .29 - .30
Metal, bulk, c.l., mines lb. .38½- —
Needle, cs lb. No stocks.
Oxide, ceramic grade, bgs., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¼- .36
l.c.l., works lb. .36¾- .37


ALCAN

HEAVY Industrial Chemicals

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Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.

Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.

A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.

Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.

A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.

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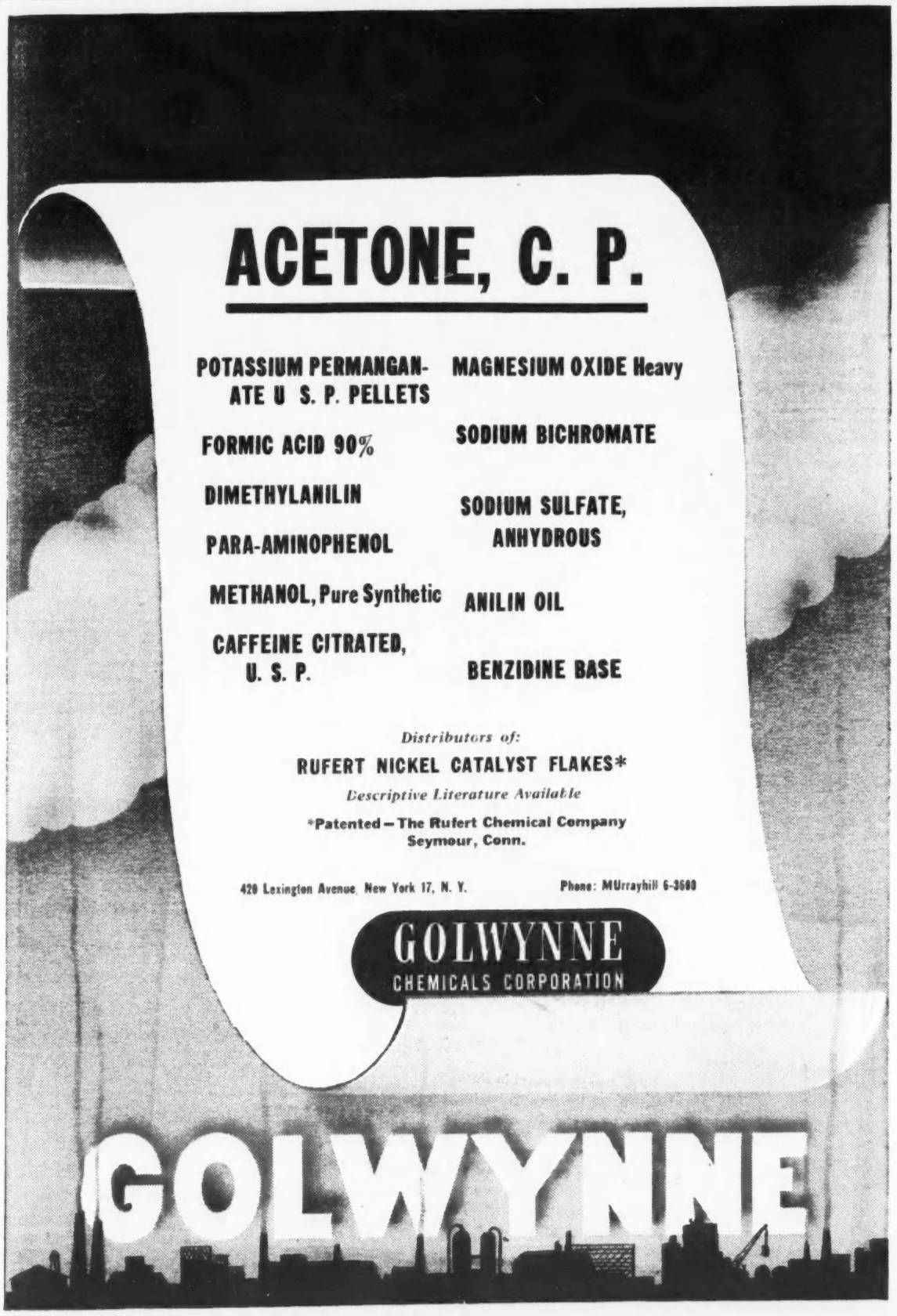
| | | | |
|---|---|---|---|
| Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss | lb. | No stocks. | |
| Sulphide, 62-64%, bbls., c.l., works | lb. | .26 | — |
| l.c.l., works | lb. | .28 | — |
| Antimony-potassium tartrate (see Tartar emetic). | | | |
| Antipyrene, USP, dms | lb. | 2.35 | 2.45 |
| Apomorphine, USP, bots. | oz. | 23.20 | 23.70 |
| Archil extract, bbls | lb. | No stocks. | |
| Areca nuts, powd., bbls | lb. | .22 | .25 |
| Arecoline hydrobromide, NF, bots. | oz. | 6.10 | 6.75 |
| Arginine hydrochloride, laevo | kilo | 140.00 | 150.00 |
| Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) | | 18.00 | 18.50 |
| Arnica, flowers, bls | lb. | .45 | .90 |
| root, bls. | lb. | 1.45 | — |
| Arrowroot, powd., bgs | lb. | .13 | .16 |
| Arsenic, metal, lump, bbls., prompt shipt | lb. | .80 | .90 |
| Sulphide, yellow, bbls | lb. | No stocks. | |
| Trioxide (see Acid, arsenous). | | | |
| White, powd., bbls., c.l., dlvd | lb. | .06 | — |
| l.c.l. | lb. | .06¾ | .07 |
| Asafetida, cs. | lb. | .35 | .36 |
| powd., bbls., dms | lb. | .50 | .53 |
| Asbestine (see Talc, fibrous, N. Y.) | | | |
| Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines | ton. | 88.00 | — |
| 5R, bgs., c.l. (20 tons), same basis | ton. | 79.00 | — |
| 6D, bgs., c.l. (30 tons), same basis | ton. | 59.00 | — |
| 7D, bgs., c.l. (30 tons), same basis | ton. | 52.50 | — |
| 7F, bgs., c.l. (30 tons), same basis | ton. | 49.50 | — |
| 7K, bgs., c.l. (30 tons), same basis | ton. | 35.50 | — |
| 7M, bgs., c.l. (30 tons), same basis | ton. | 31.00 | — |
| 7R, bgs., c.l. (30 tons), same basis | ton. | 30.00 | — |
| 7RF, bgs., c.l., same basis | ton. | 31.00 | — |
| 7T, bgs., c.l., same basis | ton. | 23.50 | — |
| 7TF, bgs., c.l., same basis | ton. | 31.00 | — |
| Asphaltum, cut-back, tanks, tank wagon, refinery | gal. | .09½ | — |
| Emulsion, tanks, tank wagon, refinery | gal. | .09½ | .10 |
| Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines | ton. | 36.50 | — |
| seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines | ton. | 31.00 | — |
| jet, bgs., ton lots, gross weight, Colo. mines | ton. | 36.50 | — |
| Manjak, No. 10, crude, dms., works | lb. | .06½ | — |
| process form, bgs., works | lb. | .05¾ | .13 |
| Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery | ton. | 23.00 | — |
| 80-300 penetration, tanks, tankwagon, refinery | ton. | 22.00 | — |
| Atropine, USP, bots. | oz. | 13.50 | 15.00 |
| Sulphate, USP, bots. | oz. | 10.55 | 12.00 |

## B

| | | | |
|---|---|---|---|
| Bacitracin, bulk, unlabeled, topical, 2,000 units | vial. | .40 | — |
| 10,000 units | vial. | .78 | — |
| 50,000 units | vial. | 2.86 | — |
| Balm of Gilead buds, dried, bgs | lb. | 1.50 | 1.75 |
| Barbasco root (see Cube root). | | | |
| Barberry root bark, bgs | lb. | .75 | .77 |
| Barbital, USP, dms. | lb. | 4.50 | — |
| Sodium, USP, dms. | lb. | 4.75 | — |
| Barium carbonate, precip, bgs., 10 tons and up, works | ton. | 72.50 | 80.00 |
| smaller lots, works | ton. | 82.50 | 90.00 |
| Chlorate, kgs., works. | lb. | .25½ | .31 |
| Chloride, NF, cryst., dms | lb. | .17 | .18 |
| tech., bgs., c.l., works, frt. equald. | ton. | 90.00 | — |
| l.c.l., works. | ton. | 100.00 | — |
| Chromate, bgs., frt. equald | lb. | .31½ | .32 |
| Dioxide, dms., c.l., works | lb. | .12 | — |
| l.c.l., works | lb. | .12 | — |
| Hydrate, crystals, bgs. | lb. | .09 | .09¼ |
| Hydroxide, anhyd., bbls., works | lb. | .19 | — |
| Iodide, bots. | lb. | 5.12 | — |
| Monoxide (see Oxide). | | | |
| Nitrate, bbls., c.l., works | lb. | .11½ | — |
| l.c.l., works | lb. | .13 | — |
| Oxide, grd., dms., c.l., works | lb. | .11 | — |
| l.c.l., works | lb. | .11½ | — |
| Peroxide (see Dioxide). | | | |
| Stearate, ctns., c.l | lb. | .34 | — |
| smaller lots | lb. | .35 | .36 |
| Sulphate, tech. (see Barytes and Blanc fixe). | | | |
| X-ray, bbls | lb. | .12½ | .13 |
| Sulphide, dms., c.l., works | ton. | 55.00 | — |
| l.c.l., works | ton. | 70.00 | — |
| Barium-potassium chromate, dms., c.l., frt. alld | lb. | .20 | — |
| l.c.l., works | lb. | .21 | — |
| Baryte ore, approx. 94% $BaSO_4$, bulk, mines | ton. | 9.40 | 12.50 |
| Barytes, water-grd., paper bgs., c.l., St. Louis | ton. | 35.05 | — |
| l.c.l., same basis | ton. | 36.85 | — |
| ex whse., N. Y. | ton. | 49.65 | — |
| Southern off-color, bgs., mines | ton. | 19.00 | — |
| 95.75%, bgs., mines | ton. | 20.00 | — |
| Barberry bark, bgs. | lb. | .12 | .13 |
| Bay leaves (see Laurel leaves). | | | |
| Belladonna leaf, bls | lb. | .95 | 1.25 |
| Root, bls. | lb. | .50 | .55 |
| Bauxite, bulk, mines | ton. | 8.50 | 10.00 |
| Bentonite, 200 mesh, bgs., works | ton. | 11.00 | — |
| Benzaldehyde, NF, dms. | lb. | .68 | .90 |
| tech., cbys., dms. | lb. | .45 | .55 |
| Benzene (see Benzol). | | | |
| Hexachloride, tech., 11% gamma, bgs., dms., c.l., works | lb. | .27½ | — |
| l.c.l., works | lb. | .29¾ | — |
| dust, dry, 50%, 6% gamma, distributors, dms., c.l., dlvd. | lb. | .18 | — |
| l.c.l., dlvd. | lb. | .19 | — |
| wet, 50%, 6% gamma, distributors, dms., c.l., dlvd | lb. | .19½ | — |
| l.c.l., dlvd. | lb. | .20½ | — |
| Benzidin base, bbls | lb. | 1.02 | — |
| Benzocaine, cns | lb. | 3.25 | 3.35 |
| Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich | gal. | 21 | — |
| Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. | gal. | 20 | — |
| Benzophenone, dms. | lb. | 1.30 | 1.70 |
| Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots | lb. | .35 | — |
| less ton lots, same basis | lb. | .37 | — |
| Benzoyl chloride, c.l., cbys | lb. | .20 | .28 |
| l.c.l., works | lb. | .22½ | — |
| Peroxide, pure, fib. ctns., works | lb. | .90 | 1.05 |
| Benzyl acetate, f.f.c., dms. | lb. | .60 | 1.00 |
| dms. | lb. | .60 | .70 |
| Alcohol (see Alcohol, benzyl). | | | |
| Benzoate, USP, f.f.c., cns., dms | lb. | .88 | 1.00 |
| Chloride, tech., cbys., c.l., works, frt. equald | lb. | .19 | .21½ |
| l.c.l., same basis | lb. | .20 | .22½ |
| Cinnamate, cns | lb. | 3.45 | 4.00 |
| Formate, cns | lb. | 1.84 | 3.50 |
| Propionate, bots. | lb. | 1.55 | 2.30 |
| Salicylate, bots. | lb. | 1.80 | 2.25 |
| Benzylidinacetone, bots. | lb | 1.85 | 2.70 |
| Benzylisoeugenol, bots | lb. | 8.90 | 9.00 |
| Berberine bisulphate, cns. | lb. | No stocks | |
| Hydrochloride, bots. | lb. | No stocks | |
| Sulphate, cns. | lb. | No stocks | |
| Berberis root, bls. | lb. | .28 | .35 |
| Betagammapicoline, dms., c.l., works, | lb. | .21 | 23½ |
| l.c.l., works | lb. | .21½ | 24 |
| Betanaphthol resublimed, dms., works. | lb | 75 | — |
| tech., bbls., c.l., works | lb. | .30 | — |
| l.c.l., works | lb. | .32 | — |
| Benzoate, fib dms., works | lb | 1.75 | — |
| Salicylate, dms. | lb. | 5.00 | — |
| Betanaphthylamine, tech., bbls., works | lb. | 73 | 80 |
| Betaphenylethylamine, dms., works, 1,000-lb. lots | lb. | 1.25 | — |
| smaller lots | lb. | 1.60 | — |
| Betapicolin, 90%-95%, dms., c.l., works | lb. | 1.35 | — |
| 98%, dms., c.l., works | lb. | 1.85 | — |
| Beth root, bls. | lb | .45 | .50 |
| Biotin, cryst. | gram | 12.50 | — |
| Bismuth chloride, jars | lb. | 3.95 | — |
| Bismuth citrate, USP VIII, jars | lb. | 3.27 | — |
| Hydroxide, dms | lb. | 4.18 | — |
| Metal, bxs., ton lots | lb. | 2.00 | — |
| Nitrate, cryst., dms | lb. | 1.85 | — |
| Oxychloride, dms | lb. | 3.97 | — |
| Oxide, anhydrous, dms | lb. | 4.60 | — |
| Phenolsulphonate, fib. dms | lb | 4.70 | — |
| Subcarbonate, USP, dms | lb. | 2.80 | — |
| Subgallate, NF, fib. dms | lb. | 2.75 | — |
| Subiodide, fib. dms. | lb. | 4.90 | — |
| Subnitrate, NF, dms | lb. | 2.30 | — |
| Subsalicylate, USP, dms | lb. | 3.20 | — |
| Bismuth-ammonium citrate, USP, powd., dms | lb. | 3.80 | — |
| Black, acetylene, bgs., c.l., works | lb. | .13½ | — |
| cs., l.c.l. shipt. point | lb. | .17 | .19 |
| Bone, bgs., bbls., l.c.l., dlvd | lb. | .14½ | .22½ |
| Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher. | | | |
| Carbon, channel, beads, bulk, c.l., works | lb. | .07 | — |
| bgs., c.l., works | lb. | .07 | 40 — |
| l.c.l., dlvd. or whse. | lb. | .11¼ | .117 |
| uncompressed, regular, bgs., c.l., works | lb. | .08 | 32 — |
| bgs., ctns., l.c.l., dlvd. or whse | lb. | .13¾ | — |
| furnace, fast extruding, bgs., c.l., works | lb. | .05¼ | — |
| ctns., l.c.l., whse | lb. | .09¼ | — |
| high modulus, bgs., c.l., works. | lb. | .05 | — |
| ctns., l.c.l., whse | lb. | .09 | — |

### Antimony Salt—Bleaching Powder

| | | | |
|---|---|---|---|
| Black, carbon, furnace, semi-reinforcing, bgs., c.l., works | lb. | 03½ | — |
| ctns., l.c.l., whse | lb. | 07½ | — |
| very fine, bgs., c.l., works | lb. | 07 10 | — |
| l.c.l., dlvd. or whse | lb | 1125 | 1170 |
| Charcoal (see C). | | | |
| Graphite (see G). | | | |
| Iron oxide, synthetic, bgs., c.l., works | lb | 10¾ | — |
| l.c.l., works | lb | 11 | — |
| Lamp, bgs., c.l., works | lb. | 07 | 30 |
| Mineral, bgs., works | lb | 0160 | 0670 |
| Black ash (see Barium sulphide). | | | |
| Blackberry root, bls. | lb | 12 | 13 |
| bark of root, bls. | lb | 32 | 33 |
| Black dyes (see Dyes). | | | |
| Black haw, root bark, bls. | lb | 78 | 82 |
| Tree bark, bls | lb | 28 | 30 |
| Black Indian hemp root, bls. | lb. | .45 | .50 |
| Blanc fixe, dry, by-product, bgs., c.l., works | ton. | 77.50 | — |
| l.c.l., works | ton. | 85.00 | — |
| direct process, bgs., c.l., works | ton. | 85.00 | — |
| l.c.l., works | ton. | 90.00 | — |
| N. Y. whse | ton. | 108.00 | — |
| bbls., c.l., works | ton. | 90.00 | — |
| l.c.l., works | ton. | 95.00 | — |
| N. Y. whse. | ton. | 113.00 | — |
| pulp, 66⅔%, bbls., c.l., works. | ton. | 67.00 | — |
| l.c.l., same basis | ton. | 73.00 | — |
| Bleaching powder, dms., c.l., works. | 100 lbs. | 4.25 | — |
| l.c.l., works | 100 lbs. | 4.75 | — |

## Blood, Dried—Calcium Cyanide

Blood, dried, 16-16½% ammo., bgs unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 8.00 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l., lb .18 .25
Bloodroot, bls lb. .55 - .65
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .45 - —
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .09 - .10
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works ton.70.00 - —
Chicago, works ton.70.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 - .16
Borage flowers, bls lb. .45 - .50
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse, N. Y. or Chi. ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi. ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works, ton.61.25 - —
ton lots, ex whse, N. Y. or Chi. ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi. ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi. ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse, N. Y. or Chi. ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
Borax, tech., powdered, 99½%, bgs., c.l., works ton.40.25 - —
ton lots, ex whse, N. Y. or Chi. ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse, N. Y. or Chi. ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.36.25 - —
Borax packed in kgs. is $4w per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 .21
l.c.l., same basis lb. .16 .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd lb. .19 - —
Bromoform, USP, bots lb. 1.50 - 1.70
cbys. lb. 1.42 - —
Bromstyrol, bots lb. 6.85 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 .60
moulding, cans, dms., works lb. .80 1.00
printing ink, cans, dms., works lb. .95 - 1.10
radiator, cans, dms., works lb. .60 - .65
Broomtop, bls. lb. .25 .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½- —
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bags., c.l., works lb. .03¾- .14¾
l.c.l., works lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works lb. .04¼- .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾- .05¾
l.c.l., bgs., works lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. 05¾- .07¾
l.c.l., works lb. .06 - .08
raw, American, bgs., same basis lb. .03¾- .06
Turkey type, bgs., same basis lb. 06 .06¼
Vandyke, bbls., works lb. .09¾- .12
Brucine, cns., 100 ozs oz. .40 .50
Sulphate, NF, cns., 100 ozs oz. .30 - .40
Bryonia root, bls. lb. .30 - .35
Buchu leaves, bls. lb. .85 - .90
Buckthorn bark, bls lb. .20 - .22
cut and sifted, bls lb. .25 - .27
Berries, bgs lb. .85 - 1.00
Burdock, root, bls. lb. .20 - .26
Butadiene, cyls., refy lb. .19 - —
tanks, same basis lb. .11½- —
Butane, indust., tanks, group 3 gal. .03½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss. lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
tankwagons, same basis lb. .15½- —
other production, dms., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
synthetic, normal, dms., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
secondary dms., c.l., dlvd. E. of Miss. lb. .13 - —
l.c.l., same basis lb. .13½- —
tanks, same basis lb. .11½- —
Normal butyl acetate W. of Miss., ½c. per lb. higher.
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .20½- —
l.c.l., works lb. .21½- —
tanks, works lb. .19½- —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50-50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .65 - —
Myristate, dms., works lb. No prices
Oleate, refd., dms., l.c.l., works lb. .52 —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .36½- —
l.c.l., same basis lb. .37½- —
Butyric ether (see Ethyl butyrate).

## C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars lb. 2.49 - 2.80
Iodide, jars lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
patent shapes, cs., dlvd lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, USP, cryst., dms., 100 lbs or more lb. 4.75 - 5.00
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 3.00 - —
Hydrobromide, bots. lb. 6.50 - —
Calabar beans, bgs., futures lb. .65 - .66
Calamine, USP, dms lb. .27 - .29
Calamus root, dom., bgs lb. .27 - .30
imported, bleached, bls lb. .70 Nom.
peeled, bls lb. .30 .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 - —
1,000 to 10,000 s.u., works gram. 4.40 - —
less than 1,000 s.u., works gram. 4.80 - —
in edible oil, dms., 10,000 or more .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 - —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld lb. .10½- —
l.c.l., same basis lb. .11½- —
Bromide, NF, jars lb. .75 - .85
Carbide, dms., c.l., works ton.114.00 -154.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tankcars ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 —
l.c.l., works, same basis ton.30.00 -59.00
USP, gran., bbls. lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 .34

Heavy-duty ICC Drums and Bilged Barrels
★
Light-gage Drums, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums
★
Lightweight Drums for Chemical and Powdered Materials
★
Painted Various Colors or Decorated

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You can keep down the costs of loss-in-transit claims by shipping in J&L Barrels and Drums. They are built to take your products to your customers safely and protect them in storage.

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A SUBSIDIARY OF JONES & LAUGHLIN STEEL CORPORATION

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BAYONNE, N. J. • CLEVELAND, OHIO • PHILADELPHIA, PA. • NEW ORLEANS (GRETNA), LA. NORTH KANSAS CITY, MO. • PORT ARTHUR, TEXAS

J&L STEEL

Calcium gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib. dms lb. 1.65 - 1.80
Hydride, dms., works lb. .90 —
Hypochlorite, 100 lb. dms., dlvd. E. of Rockies dm.24.00 -28.50
cns., cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 —
Lactate, USP, dms lb. .37 .44
Mandelate, USP, dms., works lb. 1.85 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld lb. .23¾- .24¼
Pantothenate dextro jars gram .07½- —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
less, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton.45.00 - —
70%, bgs., c.l., works ton.50.00 - —
luminous tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb 1.97 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .43 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 5.00 - 5.25
powd., bxs lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.05 - —
Caraway seed, Danish, bgs lb. .16¾- .17¼
Dutch, bgs lb. .17½- .18
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol butyl, normal (see Alcohol, amyl, refined)
secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld, E lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11¼
tech., dms., E. of Rockies, c.l., frt. alld lb. .08 - —
l.c.l., same basis lb. .08½- —
W. of Rockies, c.l., f.o.b. stock points lb. .08½- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.25 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 - 3.30
medium, cs lb. 3.00 - 3.10
Coorges, cs., futures lb. 2.15 - 2.20
decorticated, Guatemalan, cs., futures lb. 2.15 - 2.20
Indian, cs., futures lb. 2.25 Nom.
green, Alleppey, bgs., futures lb. 2.20 - 2.25
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units per gram lb.37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb.10.00 -16.00
Cascara sagrada bark, bulk lb. .32 - .35
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point lb. .20¼ Nom.
rennet-precip., 10,000 lbs. or more, same basis lb. .28 Nom.
imported, acid-precip., ground, bgs. or more lb. .19¼ Nom.
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick bls., lb. .29 - .30
broken, bls. lb. .27 - .27½
short stick, bls lb. .25 - .26
China, Canton, rolls, select, cs lb. .10 - .12
broken, bls lb. .08½- .10
Honan, rolls, scraped, bls lb. .15½- .16
unscraped, bls lb. .14½- .15
broken, bls lb. .14½- .15
Saigon, broken, bls lb. .23 - .23½
medium, bls lb. .32 - .32½
thin, bls lb. .38 - .39
Yunnan, rolls, scraped, bls lb. .15½- .16
broken, bls lb. .14½- .15
unscraped, bls lb. .14½- .15
broken, bls lb. .14 - .14½
Buds, China, bgs lb. .23 - .24

Cassia fistula, bskts lb. .30 .35
Castor beans, bgs., Brazilian ports long ton.103.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton.24.00 Nom.
Castoreum, nat., cns lb.12.00 45.00
synthetic, cns lb.22.00 —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .55 .60
Celery seed, French, bgs lb. .26 - .26¼
Indian, bgs lb. .23½- .24
futures, bgs. lb. .24½- .25
Celluloid scrap (see Pyroxylin scrap.
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 .40
granules, ctns., same basis lb. .42 —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 .39
variegations, dms., l.c.l., same basis lb. .50 .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb .53 —
Cellulose butyrate, flake, 17.5% butyryl content, ctns., 500 lbs. and over, works lb. .49 - —
less than 500 lbs., works lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
43% butyryl content, ctns., 500 lbs and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .68
Triacetate, flake, ctns., works, frt alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .75
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100 lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾- .03¼
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —
Chamomile flowers, Hungarian, cs.lb. .45 - .50
Roman, bls. lb. 1.10 - 1.50

## Calcium Gluconate—China Clay

Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32¼
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton.49.80 - —
bgs., c.l., works ton.51.80 - —
granular, bgs., incl., c.l., works. ton.46.80 -59.00
granular, bgs., incl., c.l., works. ton.38.80 -43.50
lump, bulk, c.l., works ton.41.80 -43.50
bgs., extra, returnable, c.l., works ton.40.00 - —
Pinewood, gran., powd., ogs., c.l., works, South ton.50.00 -60.00
l.c.l., works ton.35.00 - —
lump, bgs., c.l., works, South lb. .06 - .07
Willow, powd., bbls
Chestnut extract, 25% tannin, bbls. c.l., works lb .0465- —
l.c.l., works lb .0495- —
tanks, works lb. .0375- .0398
powd., 65% tannin, bgs., extra c.l., works lb .1105 —
l.c.l., works lb. .1170 .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton.12.50 -13.00
l.c.l., works ton.13.50 -14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l. works ton.11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works. ton.13.00 - —
paper bgs., c.l. works. ton 15.00 - —
Imported, white, lump, bulk, c.l., ex dock Balto. Boston, Norfolk, Phila net ton.16.00 -35.00
powd., bgs., c.l., ex dock ton.45.00 - —
l.c.l., ex whse ton 50.00 -55.00


# IMPORTANT MEMBER OF B COMPLEX • FOLIC ACID

(pteroylglutamic acid)

**FOLIC ACID**, an important member of the Vitamin B Complex, is now being used in increasing quantities in multi- and B complex vitamins. Folic Acid has a wide range of application in anemia therapy and has been demonstrated to produce dramatic results in a number of macrocytic anemias, including sprue, gestational macrocytic anemia, macrocytic anemia of gastrointestinal origin, and the macrocytic anemias associated with pellagra and similar deficiency states. Folic Acid is effective either by oral or parenteral administration and is especially recommended for those patients exhibiting sensitivity to liver extract. Because anemias are generally considered to be dietary deficiencies, it is natural to combine folic acid with other members of the B complex in vitamin preparations.

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**Sulfadiazine U.S.P.**
**(powder and micro crystal . . . the Sulfa drug of choice)**
**Sodium Sulfadiazine U.S.P.**
**Sulfamerazine U.S.P.**
**(powder and micro crystal)**
**Sodium Sulfamerazine U.S.P.**
**Sulfanilamide U.S.P.**
**(powder, crystal and micro crystal)**
**Sulfathiazole U.S.P.**
**(powder, crystal and micro crystal)**
**Sodium Sulfathiazole U.S.P.**
**Sulfapyridine N.F.**
**Sodium Sulfapyridine**
**Sulfabenzamide**
**Sodium Sulfabenzamide**
**Aminoacetic Acid N.F.**
**Calcium Pantothenate (Dextro)**
**Choline Chloride**
**Choline Dihydrogen Citrate**
**Cinchophen N.F.**
**(and Sodium Salt)**
**Dicumarol**
**Folic Acid**
**Neocinchophen U.S.P.**
**Mandelic Acid N.F.**
**Calcium Mandelate U.S.P.**
**Menadione U.S.P.**
**Methylene Blue U.S.P.**
**(powder and crystal)**
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**(Regular and Drench grades for Veterinary use)**
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PHARMACEUTICAL DEPARTMENT • CALCO CHEMICAL DIVISION

*AMERICAN Cyanamid COMPANY*

BOUND BROOK, N. J.

## Chloral—Dyes, Coaltar, General Use

Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l., stock points lb. 1.05 - 2.00
refined, dms., stock points lb. 1.20 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms lb. .20 - .23
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, obls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 - 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs lb. .0955- —
8½%, bbls., cs. lb. No stocks
Chromium fluoride, bbls., works lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs lb. 1.26 Nom.
broken, ngs lb. .45 - .50
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 4.70 - 5.05
Standard, dms., works lb. 4.50 - 4.85
Cinchophen-sodium, standard, dms., works lb. 5.50 - 5.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .83 - .88
Cinnamon, Ceylon, No. 2, bls lb. .20 - .20¼
Citral, bots., cns lb. 3.60 - 5.00
Citronellal, bots., dms lb. 2.50 - 7.75
Citronellol, bots., dms lb. 3.20 - 4.75
Civet, bots oz. 5.50 -15.00
Clove, Madagascar, bls lb. .17½- .18
futures, bls. lb. .19 - .19¼
Zanzibar, bls. lb. .25 - .25½
futures lb. .24 - .24½
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., dms., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal .26 - —
tanks, ex-whse. gal. .14½- —
refd., resale, bbls., c.l., ex-whse. gal. .25½- —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal .15½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms lb. .57 - —
solid, 8½% Co, dms lb. .66 - —
8% Co, dms lb. .66 - —
Naphthenate, liq., 6% Co, dms lb. .37¼- .37¾
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .18 - .20
Cocoa butter, bgs lb. .44 - .45
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs oz.10.25 - —
Sulphate, USP, cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz.145.00 - 160.00
Colchicum seed, bgs lb. 2.75 - 3.00
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .35 - .40
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls lb. .29 - —
crystals, bbls lb. .20 - .20¾
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls. lb. .48 - —
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss lb. .27½- .28
Metal, electrolytic lb. .20 - .21½
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- .23¼
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾- —
12.5% Cu, bbls lb. .44½- —
Oxide, black, bbls., works lb. .28 - .28¾
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27½
Copper resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works. lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs.11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815- —
l.c.l., works lb. .2050- —
USP, gran., cryst., dms lb. .10 - .26
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Pacific ports lb.175.00 - —
Atlantic or Gulf ports ton.180.00 - —
Coriander seed, Argentine, bgs., futures lb. .05½- .06
Italian, bgs lb. .05½ Nom.
Moroccan, bgs lb. .05½- .06
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.48 - —
bbls., c.l., same basis 100 lbs. 5.53 - —
Syrup, 42°, bbls., c.l. 100 lbs. 5.85 - —
l.c.l. 100 lbs. 5.95 - —
Cornsilk, bls lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E ton.57.00 -59.00
Coumarin, cns., 25 lbs. lb. 3.00 - 3.10
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½- —
smaller lots lb. .30 - .31
Imported, kgs lb. .24 - .26
Creosote, beachwood, bots., cbys lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19½
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .32
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .16½- .17 1/20
l.c.l., same basis lb. .17 - .17 7/20
tanks, same basis lb. .15¾- —
USP, dms., c.l., same basis lb. .16¾- .17 3/10
l.c.l., same basis lb. .17¼- .17⅜
tanks, same basis lb. .16 - —
Crotonaldehyde, 91-93%, dms., c.l., works lb. .16½- .20
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.10.00 - —
bbls., l.c.l., works 100 lbs.10.75 -11.00
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .40 - .45
powd., cs. lb. .50 - .55
Culvers root, bbls lb. .55 - .65
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin, seed, Persian, bgs lb. .23¼- .23½
futures, bgs. lb. .21½- .22
Cutch, extract, 55% tannin, bgs., ex dock lb. .08½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

## D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls lb. .45 - .50
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .33 - —
smaller lots, works lb. .34 - .34
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, paper bgs., works ton.34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .18 - .19
over 2% ffa., bbls lb. .17 - .18
Derris root, 5% rotenone, powd lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l 100 lbs. 6.97 - —
Chicago 100 lbs. 6.35 - —
l.c.l. 100 lbs. 7.12 - —
Canary, paper bgs., c.l 100 lbs. 6.71 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.86 - —
dark, paper bgs., c.l 100 lbs. 6.91 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.96 - —
white paper bgs., c.l 100 lbs. 6.56 - —
Chicago 100 lbs. 5.94 - —
l.c.l. 100 lbs. 6.71 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs lb. .10½- .10¾
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.05 - 5.55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
Diatomaceous earth, dom., purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms, c.l., works. lb. .69 - —
l.c.l., works lb. .69½- —
tanks, works lb. .67½- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .57 - —
l.c.l., works lb. .57½- —
tanks, works lb. .53½- —
Dibutyl phthalate, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd. lb. .33 - —
tanks, dlvd. lb. .30½- —
Sebacate, dms., c.l., works lb. .55½- —
l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld. lb. .51½- .52½
l.c.l., frt. alld lb. .52½- .53½
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .57½- —
l.c.l., works lb. .58 - —
tanks, works lb. .56 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½- —
l.c.l., dlvd lb. .51½- —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½- .35½
l.c.l. lb. .35½- .36½
tanks lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½- .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17¼- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, USP, bots kilo.255.00 -330.00
Digitalin, cryst., bots gram.15.00 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms. lb. .85 - 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l lb. .33 - —
Stearate, bbls., c.l lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45 - —
l.c.l., works lb. .45½- —
tanks, works lb. .43½- —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .43 - —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41½- —
Dillseed, natural, bgs lb. .09½- .10
dewhiskered, bgs. lb. .10¼- .10¾
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .72½- —
l.c.l., works lb. .73 - —
tanks, works lb. .71 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - —
l.c.l., works, basis 100% lb. .38 - —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .21 - .25¾
l.c.l. lb. .25 - .26¾
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .42½- —
l.c.l., frt. alld lb. .43½- —
tanks, frt. alld lb. .41½- —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.00 - 5.10
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton.64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 2.00 - 2.25
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.35 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 1, cns. lb.16.10 - —
No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb.14.65 - —
No. 37, cns. lb.13.55 - —
Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G. lb. .82 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .97 - —
79 Ponceau R lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .80 - —
179 Azo rubine lb. .95 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb. .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —
278 Benzo fast red SBL lb .2.96 - —
289 Sulphon cyanine 5R extra lb 1.00 - —
299 Diamond black F lb. 1.38 - —
304 Nerol 2B lb. 1.83 - —
326 Benzo fast orange S lb. 1.57 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine scarlet B lb. 1.56 - —
401 Diamine black BH lb. .58 - —
406 Benzo blue 2B conc lb. .98 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B lb. 1.08 - —
518 Diamine sky blue FF lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B lb. .60 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .84 - —
639 Xylene light yellow lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —
657 Malachite green lb. 1.93 - —
662 Brilliant green lb. 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb. 1.54 - —
680 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —
698 Formyl violet S4B lb. 1.51 - —
720 Chrome azurol B lb. 3.60 - —
729 Victoria blue B lb. 2.68 - —
737 Wool green S lb. 2.14 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.76 - —
841 Safranine lb. 2.58 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
968 Hydron blue R lb. .72 - —
978 Sulphur black T extra lb. .28½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro B lb. 2.59 - —
1078 Alizarin cyanine green lb. 2.61 - —
1085 Alizarin blue black B lb. 2.13 - —
1086 Indanthrene golden orange G, single paste lb. 1.96 - —
double paste lb. 3.92 - —
1099 Indanthrene dark blue BO, single paste lb. 1.72 - —
1101 Caledon jade green lb. 2.32 - —
1106 Indanthrene blue RS, single double paste lb. 2.52 - —
double paste lb. 2.13 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —

*Establish* A DEPENDABLE SOURCE OF SUPPLY

★ ★ ★ ★ ★ ★

## MONOCALCIUM PHOSPHATE

(Acid Leavening Agent)

*Available in carload quantities direct from our plant. Less carload shipments from our warehouse, Jersey City, N. J.*

Packing: 5 Ply Moisture Proof Paper Bags - - - - Net Weight 100 lbs.

## PHOSPHATE PASTE

(Clarificant in the sugar industry)

GRADE: Meets all PURE FOOD and DRUG Regulations

Packing: Wooden Barrels - - - - Net Weight 450 lbs.

*Immediate shipment in carload and less carload quantities F.O.B. plant*

## PHOSPHORIC ACID

85% N. F.

*Carload quantities available for immediate shipment from our plant*
*Less carload lots from our warehouse, Jersey City, N. J.*

Packing: 6½ gal. Carboys • • • • Net Weight 95 lbs.
13 gal. Carboys • • • • Net Weight 180 lbs.

RN

RICHES-NELSON, INC.

*Chemicals and Allied Products*

342 MADISON AVENUE NEW YORK 17. N. Y.

TELEPHONE: MURRAY HILL 7-7267 CABLE ADDRESS: RICNELCHEM, N. Y.

## Dyes, Coaltar, General Use—Fleaseed

**Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).**
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown PG lb. 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L lb. 1.94 - —
p-80 Diazo brilliant scarlet ROA lb. 2.55 - —
p-202 Zambesi black V lb. 1.07 - —
p-244 Celliton scarlet B lb. 1.57 - —
p-313 Naphthol AS-SW lb. 2.74 - —

**Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse**
Black, blue, No. 550 lb. .72 - —
Jet, No. 551 lb. .79 - —
Brown, R, conc lb. 1.44 - —
Orange R, brilliant lb. .80 - —
Red 4 B, conc lb. 1.22 - —
Yellow, C lb. 1.05 - —
FN, conc lb. 1.08 - —

**Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.**
Auramine, O lb. 1.66 - —
Black, basic, blue lb. 1.08 - —
Jet lb. 1.08 - —
Blue, methylene, 2 B, conc lb. 1.44 - —
Brown, Bismarck, R, conc lb. .78 - —

**Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.**
Chrysodine, R, extra lb. .54 - —
Y, extra lb. .58 - —
Fuchsine, conc lb. 2.84 - —
Green, malachite, conc lb. 1.80 - —
Rhodamine, B lb. 3.97 - —
Safranine, Y, conc lb. 2.66 - —
Violet, methyl, B lb. 1.08 - —

**Dyes, coaltar, for stains, water-soluble, 100-lb dms., sellers' works.**
Black, acid blue, B extra lb. .76 - —
Orange, acid, Y, conc lb. .43 - —
Rhodamine, azo-R extra conc.
Rhodamine, R, extra, conc lb. 3.97 - —
Scarlet, croceine, MOO lb. 1.33 - —
Yellow, azo-, conc lb. .32 - —
Fast light, 3 G, extra lb. 1.99 - —
Methanil, conc lb. .33 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c higher; tins, 10c. higher

## E

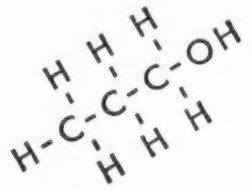
Echinacea root, bls lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.04 - 1.08
tanners, bbls lb. .06½ - 07
Elder flowers, bright, bls lb. 45 50
Elecampane root, bls lb. .25 - .28
Elm bark, grinding, bls lb. .35 36
powd., bbls., bxs. lb. .46 47
select, bndls. lb. .60 65
Emetine hydrochloride, USP, bots oz. 42.50 -48.00
Ephedra herb, bls lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½ - —
l.c.l., works lb. .37 - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots gram .60 - .70
Epsom salt, tech., bgs., c.l., works. 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, cns lb. 1.35 - 1.40
Eserine, bots oz. 55.00 -56.00
Salicylate, USP, bots oz. 38.75 -39.75
Sulphate, bots oz. 60.00 -61.00
Ether, acetate (see Ethyl acetate).
Amyl, dms., c.l., works lb. .095 - —
l.c.l., works lb. .102 - —
tanks, works lb. .085 - —
Butyl, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. 16½ - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.00 - —
75 cc, hospitals bot. 1.56 - —
Ethyl, absolute, ACS, dms lb. .30 - —
Anesthesia, USP, hospital, cns lb. .70 - 1.05
Industrial, USP, dms., c.l., dlvd lb. .12 - —

Ether, ethyl, industrial, USP, dms., l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
synthetic, dms. incl., frt. alld lb. .11½ - —
l.c.l., same basis lb. .12½ - —
tanks, same basis lb. .10 - —
Isopropyl, dms., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .06½ - —
tanks, dlvd lb. 04½ - —
Nitrous, conc., bots., 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .11½ - —
l.c.l., frt. alld lb. .12½ - —
tanks, frt. alld lb. .10 - —
95-98%, dms., c.l., frt. alld lb. .11¾ - —
l.c.l., frt. alld lb. .12¾ - —
tanks, frt. alld lb. .10¼ - —
99%, dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .10½ - —
synthetic, 85-90%, dms., c.l., frt. alld lb. .11½ - —
l.c.l., frt. alld lb. .12½ - —
tanks, frt. alld lb. .10 - —
95-98%, dms., c.l., frt. alld lb. .11¾ - —
l.c.l., frt. alld lb. .12¾ - —
tanks, frt. alld lb. .10¼ - —
99%, dms., c.l., frt. alld lb. .12¼ - —
l.c.l., frt. alld lb. .13¼ - —
tanks, dlvd lb. .10¾ - —
Acetoacetate, dms., c.l., dlvd lb. .47½ - —
l.c.l., dlvd. lb. .48½ - —
tanks, dlvd. lb. .46 - —
Benzoate, dms lb. .68 - —
Betaethoxypropionate, dms., works lb. 70 - —
Bromide, tech., 98%, dms lb. .39 - .41
Butyrate, ngs gal. 4.75 - —
cns., works lb. 65 70
dms., works lb 60 —
Carbamate (see Urethane).
Chloride, tech., tanks lb .13½ - —
USP, bbls., cyl lb .20 .22
Cinnamate, cns lb. 2.30 3.60
Formate, dms lb. .38 - —
Iodide, bots lb 4.08 4.27
Lactate, dms., works lb. .41 - —
Methacrylate, M-2, dms., works lb. .60 - —
cns., works lb. .63 .67
P-2, cns., works lb. .65 —
Myristate, dms., works lb. No prices.
Nitrite (see Ether, nitrous).
Oenanthate, dms lb. 1.40 2.00
Oleate, dms., l.c.l., works lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl orthosilicate)
40% available $SiO_2$, dms. works. lb. .55 —
Ethylalphanaphthylamine bbls lb. .80 —
Ethylanilin, dms lb. .60 —
Ethylbenzene, dms., c.l. lb. .14 - —
l.c.l. lb. .15 —
tanks lb. .13 —
Ethylcellulose, fib. dms., 5,000 lbs., works lb. .52 —
smaller lots, works lb. .54 .63
Ethylene dichloride, dms. c.l., works, frt. alld. E. of Rockies lb. .09 —
W. of Rockies lb. .09½ - —
l.c.l., works, frt. alld., E. of Rockies lb. .11½ - —
W. of Rockies lb. .12 - —
smaller containers lb. 12½ - —
tanks, frt. alld. E. Rockies lb. .08 - —
W of Rockies lb. 08½ - —
Ethylene oxide, cyls., c.l., works lb. .23¾ - .25
l.c.l., works lb. .24¾ - .26
tanks, works and frt. equald. or alld lb. .15¾ - 16¾
Trichloride (see Trichlorethane).
Ethylenediamine, tanks, works lb. .50 —
Ethyleneglycol, dms., c.l. frt alld. E lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14½ - —
Diethylether, dms., l.c.l., works lb. .50 —
Monobutylether, dms., c.l. works. lb. .21½ - —
l.c.l., works lb. .22 —
tanks, works lb. .20 —
Monoethylether, dms., c.l., works. lb. .18 —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether acetate, dms., c.l., works lb. .16½ - —
l.c.l., works lb. .17 —
tanks, works lb. .15 —
Monomethylether, dms., c.l., works lb. .19½ - —
l.c.l., works lb. .20 —
tanks, works lb. .18 —
Monomethylether acetate, dms., c.l., works lb. .24½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Ethylethanolamines, mixed, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
Ethylorthotoluidine, bbls lb. .80 —
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 —
smaller lots lb. 6.80 6.90
Eucalyptol, USP, cns., dms lb. 1.75 - 2.05
Eucalyptus leaves, bls lb. .11 - .14
Eugenol, prime, USP lb. 2.05 - 2.75
Euphorbia pil., herb, bls lb. .15 - .17

## F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton. 11.75 -12.50
bulk, c.l., works ton. 18.00 -20.00
Pottery, bgs., 2 ton lots, works. ton. 20.00 -22.00
bulk, c.l., works ton. 17.00 -19.00
Fennel seed, Argentine, bgs lb. .13½ - .14
French, bgs lb. .12 - .12½
Indian, bgs lb. .12½ - .13
Fenugreek, domestic, bgs. lb. No stocks.
Indian, bgs lb. .12 - .12½
futures, bgs. lb. .10¼ - .10⅝
Moroccan, bgs lb. .11 - .14
Ferric-ammonium citrate (see iron-ammonium citrate).
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see Iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .12 - —
water-white, cs., works lb. .13 - —
Fir balsam, Canada, cns gal. 32.50 -33.00
Oregon, bbls gal. 2.35 - 2.45
Fishberries, bgs lb .24 .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 150.00 Nom.
65% protein, bgs., Balto. area. ton. 155.00 Nom.
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 142.50 Nom
Fleaseed (see Psyllium seed).


# CELANESE* n-PROPYL ALCOHOL



*lower cost...greater volume*

Celanese production of n-propyl alcohol is now meeting large-scale demands. This straight chain alcohol—applicable to processes where its characteristic excellent solvent action and miscibility can be used to advantage—is available for shipment in drum or tank car amounts.

**PHYSICAL PROPERTIES**

| | | |
|---|---|---|
| MOLECULAR WEIGHT | | 60.09 |
| COLOR | | water white |
| ODOR | | characteristic alcohol-like odor |
| SPECIFIC GRAVITY | 20°/4° C | 0.8044 |
| DISTILLATION RANGE | ASTM °C | 2° including true boiling point |
| WEIGHT PER GALLON | 20° C | 6.7 lbs. |
| SOLUBILITY | | soluble in water and practically all organic solvents |
| FLASH POINT | open cup | 85° F |
| BOILING POINT | 1 atm. | 97.2° C |
| FREEZING POINT | | —127° C |
| VAPOR PRESSURE | 100° F | 0.9 lbs. per sq. in. absolute |
| RELATIVE EVAPORATION RATE | | 1.3 (butyl acetate=1) |

If you are looking for an improvement in your products, or short cuts in processing, the straight chain advantages of n-propyl alcohol are worth investigation. n-Propyl alcohol allows the solvent user greater solvent formulation freedom and can be used as a replacement and extender for higher alcohols. Call or write for additional information and specifications and a copy of the newly published Celanese Chemical Brochure.

CELANESE CORPORATION OF AMERICA,
Chemical Division, Dept. 56-E,
180 Madison Avenue, New York 16, N. Y.

Celanese*

**U. S. P. FORMALDEHYDE**

**Formaldehyde, one of the most important products in the growing family of Celanese Organic Chemicals, is now offered in greater volume. This high quality, U.S.P. chemical is sold commercially as Formalin, a water white solution containing 40% formaldehyde by volume, 37% by weight. It is obtainable in both methanol inhibited and uninhibited grades.**

*Reg. U.S. Pat. Off.

ALCOHOLS · ALDEHYDES · GLYCOLS · KETONES · ACIDS · SOLVENTS · PLASTICIZERS

| | | | |
|---|---|---|---|
| Fringetree bark, bls. | lb. | .45 | .47 |
| Fluorspar, acid grade, bgs., c.l., mines | ton. | 47.50 | — |
| l.c.l., mines | ton. | 49.50 | — |
| bulk, contract, c.l., mines | ton. | 42.00 | — |
| noncontract, c.l., mines | ton. | 45.00 | — |
| l.c.l., mines | ton. | 47.00 | — |
| ceramic grade, No. 1, ground, 90-92% $CaF_2$, bulk, c.l., mines net | ton. | 39.00 | 41.00 |
| washed, gravel, 70% or more, $CaF_2$, bulk, c.l., mines | ton. | 35.00 | 37.00 |
| 65%, bulk, c.l., mines | ton. | 34.00 | 36.00 |
| 60%, bulk, c.l., mines | ton. | 33.00 | 35.00 |
| less than 60%, bulk, c.l., mines | ton. | 32.00 | 34.00 |
| Formaldehyde, USP (inhibited), dms., c.l., E. works | lb. | .0570 | — |
| l.c.l., E. works | lb. | .0620 | — |
| tanks, E. works | lb. | .0370 | — |
| methanol-free (uninhibited) tanks, works | lb. | .0350 | — |

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

| | | | |
|---|---|---|---|
| Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines | ton. | 30.00 | — |
| Tex., mines | ton. | 27.00 | — |
| spent, bulk, Bayonne | ton. | 2.00 | 4.00 |
| imp., bgs., c.l. | ton. | 30.00 | 40.00 |
| Furfural, tech., dms., c.l., works | lb. | .12 | — |
| l.c.l., works | lb. | .14 | — |
| tanks, works | lb. | .09½ | — |
| Fusel oil, refined, dms., c.l. | lb. | .25½ | — |
| l.c.l. | lb. | .26½ | — |
| tanks | lb. | .24 | — |
| Fustic extract, cryst., No. 1, bbls., l.c.l. | lb. | .42½ | — |
| No. 1A, bbls., l.c.l. | lb. | .41½ | — |
| No. 2, bbls., l.c.l. | lb. | .40½ | — |
| No. 3, bbls., l.c.l. | lb. | .38½ | — |
| liquid, No. 0, bbls., l.c.l. | lb. | .22 | — |
| No. 1, bbls., l.c.l. | lb. | .20½ | — |
| No. 2, bbls., l.c.l. | lb. | .19½ | — |
| No. 3, bbls., l.c.l. | lb. | .17 | — |
| solid, No. 1, bxs., l.c.l. | lb. | .28 | — |

## G

| | | | |
|---|---|---|---|
| G salt, bbls | lb. | .59 | .60 |
| Galangal root, bls. | lb. | .14 | .15 |
| Gambier, plantation, bgs., ex dock | lb. | No stocks. | |
| Extract, bbls | | No stocks. | |
| Gammapicoline, 95%, dms., c.l., works | lb. | 1.00 | 1.03 |
| Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, | gal. | .10125 | — |
| Bayonne, 76 octane, tanks | gal. | .132 | — |
| Gulf coast, 73-75 octane, tanks, | gal. | .10 | .11 |
| Group 3, 73-75 octane, tanks | gal. | .09875 | .10125 |
| Pennsylvania, western, U. S. motor, 74 octane, leaded tanks | gal. | .1175 | .12 |
| natural, 26-70 octane, group 3, tanks | gal. | .05 | — |
| Gelatin, silver label, cs., works | lb. | 1.20 | — |
| Gelsemium root, bls | lb. | .35 | .40 |
| Gentian root, bls | lb. | .14 | .16 |
| grd., bbls., bxs | lb. | .17 | .19 |
| powd., bbls., bxs | lb. | .18 | .20 |
| Geraniol, extra, cns., dms | lb. | 2.50 | 2.75 |
| prime | lb. | 2.20 | 2.40 |
| Geranyl acetate, cns | lb. | 2.65 | 3.90 |
| Ginger, oleoresin, bots | lb. | 4.50 | 4.75 |
| Root, African, bls | lb. | .26 | .26¼ |
| Cochin, bleached, bgs. | lb. | No stocks. | |
| unbleached, bgs. | lb. | .20 | Nom. |
| Jamaica, No. 1, bgs. | lb. | No stocks. | |
| No. 2, bgs | lb. | .36 | .37 |
| No. 3, bgs | lb. | .34 | .35 |
| Rhattoon, bgs. | lb. | .31 | .32 |
| Ginseng root, cs | lb. | 12.00 | 16.00 |
| Glauber's salt, anhyd. (see Sodium sulphate), cryst., bgs., c.l., works | 100 lbs. | 2.00 | — |
| l.c.l. bgs., works | 100 lbs. | 2.25 | 2.50 |
| Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest | lb. | .14½ | — |
| 40-65, bgs., c.l., same basis | lb. | .16½ | — |
| 65-90, bgs., c.l., same basis | lb. | .18 | — |
| 95-145, bgs., c.l., same basis | lb. | .22½ | — |
| 145-180, bgs., c.l., same basis | lb. | .25 | — |

Bone glue, l.c.l., prices, 1c. higher than c.l.

| | | | |
|---|---|---|---|
| ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd | lb. | .16 | — |
| l.c.l., same basis | lb. | .17 | — |
| pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis | lb. | .18½ | — |
| l.c.l., same basis | lb. | .19½ | — |
| Hide, 100-121 (jellygrams), bgs., c.l., dlvd | lb. | .24 | .25 |
| 122-149, bgs., c.l., dlvd | lb. | .25 | .26 |
| 150-177, bgs., c.l., dlvd | lb. | .26 | .27 |
| 178-206, bgs., c.l., dlvd | lb. | .27 | .29 |
| 207-236, bgs., c.l., dlvd | lb. | .28 | .30 |
| 237-266, bgs., c.l., dlvd | lb. | .29 | .31 |
| 267-296, bgs., c.l., dlvd | lb. | .30 | .32 |
| 299-330, bgs., c.l., dlvd | lb. | .31 | .33 |
| 331-362, bgs., c.l., dlvd | lb. | .32 | .35 |
| 363-394, bgs., c.l., dlvd | lb. | .33 | .36 |
| 395-427, bgs., c.l., dlvd | lb. | .34 | .37 |
| 428-460, bgs., c.l., dlvd | lb. | .35 | .38¼ |
| 461-494, bgs., c.l., dlvd | lb. | .36 | .40 |
| 495-529, bgs., c.l., dlvd | lb. | .37 | .41 |

Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

| | | | |
|---|---|---|---|
| Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd | lb. | .16¾ | — |
| soaplye, 80%, tanks, dlvd | lb. | .15¼ | — |
| dynamite, dms., c.l., dlvd | lb. | .24 | — |
| l.c.l., dlvd | lb. | .24½ | — |
| tanks, dlvd | lb. | .23½ | — |
| high gravity, dms., c.l., dlvd | lb. | .24¼ | — |
| l.c.l., dlvd | lb. | .24¾ | — |
| tanks, dlvd | lb. | .23¾ | — |
| refined, BP, 98%, dms., c.l., dlvd. | lb. | .25½ | — |
| l.c.l., dlvd | lb. | .26 | — |
| tanks, dlvd | lb. | .25 | — |
| USP, c.p., 95%, dms., c.l., dlvd | lb. | .24¾ | — |
| l.c.l., dlvd | lb. | .25¼ | — |
| tanks, dlvd | lb. | .24¼ | — |
| yellow, distilled, dms., c.l., dlvd | lb. | .24⅛ | — |
| | lb. | .24⅛ | — |
| l.c.l., dlvd | lb. | .24⅜ | — |
| tanks, dlvd | lb. | .23⅜ | — |
| Glycine USP (see Acid, aminoacetic). | | | |
| Glycol boriborate, dms | lb. | .22 | — |
| Stearate, dms | lb. | .26 | — |
| Glyoxal, 30%, dms., c.l., works | lb. | .17½ | — |
| l.c.l., works | lb. | .18 | — |
| tanks, works | lb. | .17 | — |
| Gold chloride, acid-brown, bots | oz. | 22.00 | 22.25 |
| acid-yellow, bots | oz. | 20.00 | 20.25 |
| Gold of pleasure seed, bgs | lb. | .40 | .41 |
| Golden seal, root, bls | lb. | 3.65 | 4.00 |
| powd., bxs | lb. | 4.25 | 4.50 |
| Gold-sodium chloride, photo, bots | oz. | 13.50 | 14.00 |
| USP IX, bots | oz. | 14.50 | 15.00 |
| Grains of paradise, bgs | lb. | .27 | .36 |
| Graphite, imported, amorph., powd., bgs., dlvd | lb. | .04 | .06 |
| crystalline, 88-90%, powd., bgs., ex whse | lb. | .14 | .16 |
| 90-92%, powd., bgs., ex whse. | lb. | .16 | .19 |
| 97%, powd., bgs., ex wnse | lb. | .22 | .25 |
| flake, No. 1, 90-95%, bgs., ctns., ex whse | lb. | .21 | .22 |
| No 2 whse | lb | .23 | — |
| Grease, house, dlvd., loose | lb. | .05 | Nom. |
| White, choice, loose | lb. | .06 | Nom. |
| Wool (see Degras and Lanolin). | | | |
| Yellow, loose | lb. | .04¾ | Nom. |
| Green, brilliant, thioflavin, toner, molybdic, kgs., works | lb. | 4.25 | 4.50 |
| Tungstic, kgs., works | lb. | 4.25 | 4.50 |
| Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis | lb. | .37 | — |
| 6-10%, bbls., same basis | lb. | .38 | — |
| 11-15%, bbls., same basis | lb. | .38¾ | — |
| 16-20%, bbls., same basis | lb. | .39½ | — |
| 21-25%, bbls., same basis | lb. | .40½ | — |
| 26-30%, bbls., same basis | lb. | .40¾ | — |
| 31-35%, bbls., same basis | lb. | .40½ | — |
| 36-40%, bbls., same basis | lb. | .43½ | — |
| 41-45%, bbls., same basis | lb. | .45 | — |
| 46-50%, bbls., same basis | lb. | .46¾ | — |
| 50% and over, bbls., same basis | lb. | .47¾ | — |
| Green, chrome, reduced color, 5%, bbls., same basis | lb. | .13 | — |
| 6-10%, bbls., same basis | lb. | .13¾ | — |
| 11-13%, bbls., same basis | lb. | .14¼ | — |
| 14-16%, bbls., same basis | lb. | .13 | — |
| 17-19%, bbls., same basis | lb. | .15¼ | — |
| 20-21%, bbls., same basis | lb. | .15½ | — |
| 22-23%, bbls., same basis | lb. | .15¾ | — |
| 24-25%, bbls., same basis | lb. | .16 | — |
| 26-27%, bbls., same basis | lb. | .16½ | — |
| 28-29%, bbls., same basis | lb. | .17 | — |
| 30-31%, bbls., same basis | lb. | .18 | — |
| 32-33%, bbls., same basis | lb. | .19¼ | — |
| 34-35%, bbls., same basis | lb. | .20¼ | — |
| 36-40%, bbls., same basis | lb. | .23 | — |
| 41-45%, bbls., same basis | lb. | .25¼ | — |
| 46-50%, bbls., same basis | lb. | .26¼ | — |
| 51-55%, bbls., same basis | lb. | .26½ | — |
| 56-60%, bbls., same basis | lb. | .27 | — |
| 61-65%, bbls., same basis | lb. | .28 | — |



| | | | |
|---|---|---|---|
| Green, chrome, reduced color, 66-70%, bbls., same basis | lb. | .29¼ | — |

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

| | | | |
|---|---|---|---|
| Chromium oxide, hydrated, bbls., works | lb. | .75 | 1.00 |
| pure, bgs., frt. alld | lb. | .33 | .40 |
| Dyes (see Dyes, coaltar). | | | |
| Malachite, thioflavin toner, molybdic, bbls., works | lb. | 3.00 | — |
| Tungstic, bbls., works | lb. | 3.40 | — |
| Paris (see P). | | | |
| Phthalocyanin toner, bbls., works, | lb. | 4.40 | 5.00 |
| Tungstated, brilliant, kgs | lb. | 3.00 | 4.00 |
| Emerald, kgs | lb. | 2.60 | — |
| Verdigris (see V). | | | |
| Grindelia robusta herb, bls | lb. | .25 | .30 |
| Guaiac resin, cs | lb. | .48 | .49 |
| Wood, bls | lb. | .35 | .38 |
| Guaiacol, cryst., tins | lb. | No prices. | |
| Liquid, NF, bots., cbys | lb. | 1.90 | 1.95 |
| Carbonate, dms | lb. | 2.95 | 3.00 |
| Guarana, powd., cs | lb. | 2.00 | 2.10 |
| Gum, accroides (see Gum, yacca). | | | |
| Aloe (see A.) | | | |
| Ammoniac tears, cs | lb. | .90 | .93 |
| Arabic, amber, sorts, bgs | lb. | .12 | .14 |
| powdered, USP, bbls | lb. | .20½ | .21 |
| Asafetida (see A). | | | |
| Asphalthum (see A). | | | |
| Benzoin, Sumatra, cs | lb. | .38 | .40 |


The uniform dependable purity of every one is typically

The usefulness of every product in this list depends on

Mallinckrodt

Check the Mallinckrodt iodine compounds which are used in your products. Write to your nearest Mallinckrodt office for data and quotations.

Iodine Crude
Iodine U.S.P. Resublimed Crystals
Iodine U.S.P. Resublimed Granular
Iodine A.R.
Iodine Tincture Strong N.F.
Iodine Tincture U.S.P.
Acid Hydriodic Diluted U.S.P.
Acid Hydriodic Conc. Sp. Gr. 1.5
Acid Hydriodic Sp. Gr. 1.5 A.R.
Acid Iodic A.R.
Acid Iodic Anhydride A.R.
Ammonium Iodide N.F.
Ammonium Iodide A.R.
Arsenic Triiodide N.F.
Barium Iodide
Cadmium Iodide
Cadmium Iodide A.R.
Calcium Iodide
Collodion Photo Iodizer, White Label
Collodion Photo Iodizer, Orange Label
Ethyl Iodide A.R.
Ferrous Iodide
Ferrous Iodide Syrup N.F.
IODEIKON ® for cholecystography
Iodide Mixture (for mineral feeds)
Iodoform N.F. Powder Heavy
Iodoform N.F. Powder Light
IOFLOW ® (for mineral feeds)
Iodophthalein Sodium U.S.P.
IOMAG ® (for mineral feeds)
ISO-IODEIKON ® for cholecystography
Lead Iodide N.F.
Lithium Iodide
Mercurous Iodide Yellow N.F.
Mercuric Iodide Red N.F.
Mercuric Iodide A.R.
Methyl Iodide A.R.
Potassium Iodate
Potassium Iodate A.R.
Potassium Iodide U.S.P. Crystals
Potassium Iodide U.S.P. Granular
Potassium Iodide U.S.P. Powder
Potassium Iodide A.R. Crystals
Potassium Iodide A.R. Granular
Potassium Iodide Neutral A.R.
Potassium Mercuric Iodide N.N.R.
Silver Iodide
Sodium Iodate
Sodium Iodate A.R.
Sodium Iodide U.S.P.
STABILIDE ® (for mineral feeds)
Strontium Iodide U.S.P.
Thymol Iodide N.F.
Zinc Iodide N.F.

*82 Years of Service to Chemical Users*

Mallinckrodt Chemical Works

Mallinckrodt St., St. Louis 7, Mo.
72 Gold St., New York 8, N. Y.
CHICAGO • CINCINNATI • CLEVELAND
LOS ANGELES • MONTREAL
PHILADELPHIA • SAN FRANCISCO
*Uniform • Dependable • Purity*

## Gum Camphor—Iron Chloride

| | | | |
|---|---|---|---|
| Gum Camphor (see C). | | | |
| Copal, Congo, No. 1, bgs. | lb. | .23 | .25 |
| No. 2, bgs. | lb. | .19 | .21 |
| No. 3, bgs. | lb. | .14 | .16 |
| Manila, loba, B, bgs. | lb. | .26 | .28 |
| C, bgs. | lb. | .24 | .26 |
| CBB, bgs. | lb. | .19 | .21 |
| CNE, bgs. | lb. | .13½ | .15 |
| DBB, bgs. | lb. | .18 | .20 |
| DK, bgs. | lb. | .13½ | .15 |
| dust, bgs. | lb. | .07½ | .09 |
| soft, MA, bgs. | lb. | .13½ | .15 |
| WS, bgs. | lb. | .20 | .21 |
| Philippine, pale, chips, bgs. | lb. | .18½ | .20½ |
| nubs, bgs. | lb. | .22 | .24 |
| seeds, bgs. | lb. | .15 | .16 |
| sorts, bgs. | lb. | .17½ | .19½ |
| Pontianak, chips, bgs. | lb. | .22 | .24 |
| nubs, bgs. | lb. | .35 | .38 |
| Dammar, Batavia, A, D, bgs. | lb. | .28 | .30 |
| A/E, bgs. | lb. | .23 | .24 |
| dust, bgs. | lb. | .08½ | .09½ |
| E, bgs. | lb. | .14 | .15 |
| East India, batu, bold, bgs. | lb. | .09¾ | .11 |
| nubs & chips, bgs. | lb. | .07½ | .09 |
| black, bold, bgs. | lb. | .12½ | .13½ |
| unscraped, bgs. | lb. | .09½ | .10½ |
| nubs & chips, bgs. | lb. | .09½ | .10½ |
| pale, chips, bgs. | lb. | .13 | .15 |
| nubs, bgs. | lb. | .26 | .28 |
| Singapore, No. 1, bgs. | lb. | .30 | .32 |
| No. 2, bgs. | lb. | .22 | .23 |
| No. 3, bgs. | lb. | .10 | .12 |
| dust, bgs. | lb. | .09 | .10 |
| seeds, bgs. | lb. | .13 | .14 |
| Elemi, cns. | lb. | .21 | .22 |
| Gum ester, gum-rosin type, dms., c.l., divd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. | lb. | .17 | .17¾ |
| wood-rosin type, dms., c.l., divd. Ill., Ind., etc. | lb. | .17 | .17¾ |
| Euphorbium, cs. | lb. | .50 | .55 |
| Galbanum, cs. | lb. | .88 | 1.00 |
| Gamboge, pipe, cs. | lb. | 1.20 | 1.25 |
| powd., bbls. | lb. | 1.35 | 1.40 |
| Ghatti, No. 2, bgs. | lb. | .35 | .37 |
| No. 3, bgs. | lb. | .31 | .33 |
| Guaiac (see Guaiac resin). | | | |
| Karaya, powd., No. 1 | lb. | .51 | .52 |
| No. 2 | lb. | .47 | .48 |
| No. 3 | lb. | .39 | .40 |
| Kauri, bgs. | lb. | .31½ | .32¾ |
| Locust bean, powd., bgs. | lb. | .35 | .37 |
| Mastic, cs. | lb. | 2.25 | 2.30 |
| Myrrh, cs. | lb. | .35 | .38 |
| Olibanum, siftings, cs. | lb. | .12 | .13 |
| tears, cs. | lb. | .22 | .38 |
| Opium (see O). | | | |
| Red (see Gum, yacca). | | | |
| Rosin (see R). | | | |
| Sandarac, cks. | lb. | .90 | .95 |
| Scammony, cs. | lb. | 1.50 | 1.55 |
| Sterculia (see Gum, karaya). | | | |
| Talha, bgs. | lb. | .10 | .11 |
| Tragacanth, No. 1, cs. | lb. | 3.00 | 3.25 |
| No. 2, cs. | lb. | 2.40 | 2.65 |
| No. 3, cs. | lb. | 2.00 | 2.25 |
| powdered, USP, bbls. | lb. | 1.35 | 1.45 |
| Yacca, bgs. | lb. | .06 | — |

| | | |
|---|---|---|
| Gypsum, Acme, Tex., frt. equald | ton. | 22.65 |
| Gypsum, Keane's cement, paper bgs., c.l., Harlem river, N. Y., frt. equald | ton. | 28.25 |
| Gypsum, Kean's cement, paper bgs., c.l., Medicine Lodge, Kan., frt. equald | ton. | 17.00 |
| New Brighton, N. Y., frt. equald | ton. | 30.65 |
| Southard, Okla., frt. equald | ton. | 17.00 |
| Sweetwater, Tex., frt. equald | ton. | 21.45 |
| Plaster of paris, paper bgs., c.l., Acme., Texas, frt. equald. | ton. | 12.50 |
| Blue Rapids, Kans., frt. equald | ton. | 10.50 |
| Harlem river, N. Y., frt. equald | ton. | 12.00 |
| Medicine Lodge, Kan., frt. equald | ton. | 12.50 |
| New Brighton, N. Y., frt. equald | ton. | 18.00 |
| Southard, Okla., frt. equald. | ton. | 12.50 |
| Sweetwater, Tex., frt. equald | ton. | 12.50 |
| Saltville, Va., frt equald | ton. | 9.00 |
| Akron, N. Y., frt. equald | ton. | 8.00 |
| Blue Rapids, Kans., frt. equald | ton. | 8.00 |
| Clarence Center, N. Y., frt. equald | ton. | 8.00 |
| Fort Dodge, Iowa, frt. equald | ton. | 8.00 |
| Grand Rapids, Mich., frt. equald | ton. | 8.00 |
| Gypsum, Ohio frt. equald | ton. | 8.00 |
| Harlem river, N. Y., frt. equald | ton. | 8.00 |
| National City, Mich., frt. equald | ton. | 8.00 |
| New Brighton, N. Y., frt. equald | ton. | 8.00 |
| Gypsum, plaster of paris, paper bgs., c.l., Plasterco, Ga., frt. equald | ton. | 8.00 |
| Portsmouth, N.H., frt. equald. | ton. | 8.00 |
| Roton, Texas, frt. equald | ton. | 8.00 |
| Saltville, Va., frt. equald | ton. | 9.00 |
| Southard, Okla., frt. equald | ton. | 8.00 |
| Sweetwater, Texas, frt. equald | ton. | 8.00 |
| Terra alba, paper bgs., c.l., Harlem river, N. Y., works | ton. | 22.50 |
| New Brighton, N. Y., works | ton. | 21.00 |

## H

| | | | |
|---|---|---|---|
| Hawthorn berries, bgs. | lb. | .55 | .57 |
| Heliotropin, cryst., cns. | lb. | 2.85 | 3.05 |
| Hellebore root, dom., green, bls | lb. | .60 | .65 |
| imp., black, whole, bls. | lb. | .30 | .32 |
| ground, bxs. | lb. | .35 | .37 |
| powder, bxs. | lb. | .37 | .39 |
| white, whole, bls. | lb. | .35 | .43 |
| powder, bxs. | lb. | .37 | .45 |
| Helonias root, bls. | lb. | 1.65 | 1.75 |
| Hematine extract, cryst., No. 0, bbls., l.c.l | lb. | .45½ | — |
| No. 1, bbls., l.c.l. | lb. | .44½ | — |
| No. 1A, bbls., l.c.l. | lb. | .41½ | — |
| No. 2, bbls., l.c.l. | lb. | .40½ | — |
| No. 3, bbls., l.c.l. | lb. | .38½ | — |
| No. 4, bbls., l.c.l. | lb. | .36½ | — |
| No. 5, bbls., l.c.l. | lb. | .34½ | — |
| paste, No. 1, bbls., l.c.l. | lb. | .19 | — |
| No. 2, bbls., l.c.l. | lb. | .18 | — |
| No. 3, bbls., l.c.l. | lb. | .17 | — |
| No. 4, (red), bbls., l.c.l. | lb. | .12½ | — |
| Hemlock bark extract, 25% tannin, bbls., c.l., works | lb. | No stocks. | |
| tanks, works | lb. | No stocks. | |
| Henbane leaves, bls. | lb. | .40 | .75 |
| Henna leaves, bls. | lb. | .21 | .23 |
| powd., bbls., bgs. | lb. | .25 | .27 |
| Heptane, industrial, Bayonne, N. J., tanks | gal. | .16 | — |
| group 3, tanks | gal. | .12½ | .13¼ |
| Hexalin (see Cyclohexanol). | | | |
| Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C | lb. | .27½ | — |
| smaller lots, same basis | lb. | .28½ | — |
| USP, dms., 500 lbs., or more, same basis | lb. | .38½ | — |
| smaller lots, same basis | lb. | .39½ | — |
| Diphosphate, USP, bots | kilo. | 500.00 | — |
| Hexamine (see Hexamethylene tetramine). | | | |
| Hexane, industrial, group 3, tanks. | gal. | .13½ | .14¼ |
| Bayonne, N. J., tanks | gal. | .16 | — |
| Hexanol, normal, dms., c.l., works. | lb. | .30½ | — |
| l.c.l., works | lb. | .31 | — |
| tanks, works | lb. | .29 | — |
| Hexyleneglycol (see Methylpentanediol). | | | |
| Hexylresorcinol, USP, 100 lbs. up, frt. alld | lb. | 19.00 | — |
| works | lb. | 19.00 | -27.75 |
| smaller lots, frt. alld | lb. | 20.00 | -21.50 |
| works | lb. | 20.00 | -33.50 |
| Histidine hydrochloride—laevo, NF, fib. dms., works, 50 kilos. | kilo. | 120.00 | — |
| 1-5 kilos | kilo. | 130.00 | — |
| Homatropine hydrobromide, USP, bots | oz. | 15.00 | -25.00 |
| Hydrochloride, bots | oz. | 20.00 | -22.00 |
| Methylbromide, NF | oz. | 16.00 | -18.50 |
| Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. | | 7.00 | — |
| Hops, NF, bls. | lb. | .40 | .45 |
| Horehound, bls. | lb. | .12 | .15 |
| Hydrangea root, bls. | lb. | .14 | .17 |
| Hydrastine, bots | oz. | 53.50 | -53.80 |
| Hydrochloride, NF | oz. | 29.50 | -36.00 |
| Sulphate, bots | oz. | 53.50 | -53.80 |
| Hydrastinine, 10-grain bots. | bot. | 1.95 | — |
| Hydrastis (see Goldenseal). | | | |
| Hydrofuramide, dms., fib. cans., works | lb. | .30 | .40 |
| Hydrogen peroxide, USP, bbls | lb. | .03¾ | .05 |
| 27½%, cbys., E. of Miss. or W. coast via Panama Canal | lb. | .17½ | .19¼ |
| 35%, cbys., same basis | lb. | .23½ | — |
| dms., c.l., same basis | lb. | .20½ | — |
| l.c.l., same basis | lb. | .21½ | — |
| tanks | lb. | .19¾ | — |
| Hydroquinone, photographic, bbls., dms | lb. | .90 | — |
| tech., dms. | lb. | .70 | — |
| Hydroxycitronellal, cns. | lb. | 5.35 | 6.50 |
| Hyoscine hydrobromide, bots. | oz. | 34.00 | -38.00 |
| Hyoscyamine, bots. | oz. | 18.00 | -20.00 |
| Hydrobromide, bots. | oz. | 18.00 | -19.50 |
| Sulphate, bots. | oz. | 14.00 | -19.50 |
| Hypernic extract, cryst., No. 1, bbls., l.c.l | lb. | .56 | — |
| No. 2, bbls., l.c.l | lb. | .48 | — |
| liquid, No. 1, bbls., l.c.l. | lb. | .30 | — |
| No. 2, bbls., l.c.l. | lb. | .25 | — |
| solid, No. 1, bxs., l.c.l. | lb. | .44 | — |
| Hyssop herb, bgs. | lb. | .45 | .50 |
| Leaves, bgs. | lb. | .55 | .60 |

## I

| | | | |
|---|---|---|---|
| Iceland moss, bgs. | lb. | .40 | .50 |
| Ichthammol, NF, bots. | lb. | 2.45 | — |
| powd., bbls. | lb. | .74½ | .85 |
| Indian red (see Red, Indian). | | | |
| Indigo, nat., chests | lb. | 2.14 | 2.16 |
| synth., paste, bots. | lb. | .23 | — |
| Indol, CP, bots. | lb. | 17.60 | -19.00 |
| Inositol, tins, divd. | lb. | 5.00 | — |
| Insect flowers (see Pyrethrum). | | | |
| Iodine, crude, kgs., ex whse, Staten Island | lb. | 1.729 | — |
| resubl., USP, bots., jars | lb. | 2.55 | 2.65 |
| Idochlorohydroxyquinolin, NF, dms | lb. | 6.40 | — |
| Iodoform, NF, dms., kgs. | lb. | 4.30 | 4.74 |
| Ionone, alpha, cns. | lb. | 5.15 | 12.30 |
| beta, cns. | lb. | 7.05 | 6.50 |
| Methyl (see M). | | | |
| IPC, bots., 1-5 lbs. | lb. | 2.68 | 2.72 |
| fib. dms., 100 lbs., ship't point | lb. | 2.30 | 2.50 |
| 50 lbs., ship't point | lb. | 2.40 | 2.52 |
| 10-25 lbs., ship't point | lb. | 2.50 | 2.54 |
| Ipecac root, bgs. | lb. | 4.25 | 4.50 |
| powd., bgs. | lb. | 4.65 | 4.90 |
| Irish moss, bleached, prime, bls | lb. | .18 | .19 |
| Iron acetate, liquor, 28° bbls., c.l., works | lb. | .09 | — |
| l.c.l., works | lb. | .09¾ | — |
| solut., USP IX, cbys. | lb. | .16 | — |
| dms. | lb. | 17 | — |
| Cacodylate, NF, bots. | lb. | 13.50 | -14.50 |
| Chloride (ferric), anhydr., tech., dms., c.l., works | 100 lbs. | 5.75 | — |
| l.c.l., works | 100 lbs. | 6.50 | 7.50 |
| cryst., tech., c.l., bbls., works | 100 lbs. | 5.00 | 6.00 |
| l.c.l., bbls., works | 100 lbs. | 5.50 | 8.00 |
| USP, dms., works | lb. | .06¾ | .08¼ |
| solut., 42 Be, cbys., works, frt. alld. or equald | lb. | .06 | .06½ |

# Time to "trim ship" on production costs

Like most plants, yours has probably been in high-speed production for years. But now supplies — in both raw materials and finished goods — are catching up. You have more time to take modernizing steps: Replacing worn equipment. Searching out production economies for the competitive days ahead.

Many businesses and industries which use chemicals in quantity are working with the Wyandotte Technical Service Department on methods to improve the manufacture and handling of materials.

Already Wyandotte Technical Service has helped some of these companies save many thousands of dollars: Through recommendations on manufacturing economies. Through better ways to unload, convey, analyze and store chemicals. Through suggestions on switching to hopper car delivery on soda ash and calcium carbonate, to tank cars of liquid caustic soda or new designs for storage bins. Through advice to compounders on detergency problems.

You'll find Wyandotte Technical Service is manned by top-flight engineering personnel. Why not get their objective "outside" viewpoint on chemical procedures in your plant? Your problems will be held in confidence.

*Wyandotte Chemicals Corporation is one of the world's major producers of soda ash, caustic soda, bicarbonate of soda, chlorine, dry ice and calcium carbonate. Wyandotte produces glycols and related compounds, certain aromatic sulfonic acid derivatives and other organic intermediates. Wyandotte is also the world's largest manufacturer of specialized cleaning compounds for business and industry.*

Wyandotte
REG. U. S. PAT. OFF.

ORGANIC AND INORGANIC CHEMICALS
WYANDOTTE CHEMICALS CORPORATION
Wyandotte, Michigan • Offices in Principal Cities

| | | | |
|---|---|---|---|
| Iron citrate, gran., dms | lb. | .77 | - .79 |
| Gluconate, NF, dms | lb. | .85 | - .93 |
| Glycerophosphate, N.F., powd. | lb. | 4.25 | - 4.35 |
| Hypophosphite, NF, dms | lb. | 2.80 | - — |
| Iodide, bots | lb. | 3.66 | - 3.73 |
| Naphthenate, liq., 6% Fe, dms., frt. alld | lb. | .21¼ | - .21¾ |
| Nitrate, red, tech., dms | lb. | .03½ | - .04 |
| Oxalate, gran., dms | lb. | .83 | - .85 |
| Phosphate, soluble, NF, gran., cs. | lb. | .64 | - .65 |
| Pyrophosphate, soluble, NF VII, gran., dms | lb. | .69 | - .72 |
| Reduced (see Iron by hydrogen). | | | |
| Resinate, 7.4% Fe, dms., frt. alld. | lb. | .24 | - — |
| Stearate, dms., c.l. | lb. | .34 | - — |
| ton lots | lb. | .35 | - — |
| less ton lots | lb. | .36 | - — |
| Sulphate (ferric), anhyd., bgs., c.l., works | ton. | 52.50 | - — |
| l.c.l., works | ton. | 57.50 | - — |
| partially hydrated, bgs., c.l., works | ton. | 28.50 | - — |
| l.c.l., works | ton. | 29.50 | - — |
| Iron by hydrogen, kgs | lb. | .80 | - .85 |
| Iron-ammonium citrate, green, NF, gran., dms | lb. | .55 | - .58 |
| brown, USP, gran., dms | lb. | .55 | - .58 |
| Oxalate, dms | lb. | .25½ | - .28½ |
| Iron-potassium oxalate fine gran., dms | lb. | .30½ | - .33½ |
| Iron-sodium oxalate, fine gran., dms | lb. | .25½ | - .28½ |
| Isobornyl acetate, cns | lb. | .97 | - 1.10 |
| Isobutyl acetate, cns | lb. | .82 | - 1.25 |
| Methacrylate, M-5, dms., works | lb. | .60 | - — |
| cns., works | lb. | .63 | - .67 |
| P-5, cns., works | lb. | .60 | - — |
| Propionate, cns | lb. | No prices. | |
| Thiocyanocetate, dms., c.l., works. | gal. | 3.85 | - — |
| l.c.l., works | gal. | 3.85 | - 4.05 |
| tanks, works | gal. | 4.23 | - — |
| Isobutyraldehyde, dms., works | lb. | .50 | - .53 |
| Isoeugenol, cns | lb. | 3.10 | - 3.40 |
| Isoleucine, dextro-laevo, with allo-isoleucine, dms., works | lb. | 28.00 | -35.00 |
| Isopentane, dms., works | lb. | .45 | - .55 |
| Isophorone, dms., c.l., works | lb. | .23½ | - — |
| l.c.l., works | lb. | .24 | - — |
| tanks, works | lb. | .22 | - — |
| Isopropanol (see Acohol, isopropyl). | | | |
| Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies | lb. | .11½ | - — |
| l.c.l., same basis | lb. | .12 | - — |
| tanks, same basis | lb. | .10 | - — |
| Alcohol (see Alcohol, isopropyl). | | | |
| Benzene (see Cumene). | | | |
| Ether (see Ether, isopropyl). | | | |
| Phenylcarbamate (see IPC). | | | |
| Isopropylamine, dms., works, c.s. | lb. | .24 | - — |
| l.c.l., works | lb. | .25 | - — |

## J

| | | | |
|---|---|---|---|
| Jaborandi leaves, bls | lb. | .15 | - .20 |
| Jalap root, NF, bls | lb. | .40 | - .45 |
| powd., bbls., bxs | lb. | .45 | - .55 |
| Resin, powd., bxs | lb. | 7.15 | - 7.25 |
| Juniper berries, bgs. | lb. | .09 | - .18 |
| Tar, USP, dms | lb. | .40 | - .65 |

## K

| | | | |
|---|---|---|---|
| Kamala, powd., cns | lb. | .45 | - .53 |
| Kaolin (see China clay). | | | |
| Kava kava root, bls | lb. | .25 | - .30 |
| Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks | gal. | .0875 | - — |
| Bayonne, 41-43 s.g., w.w., tanks. | gal. | .093 | - — |
| California, 40-43, s.g., w.w., tanks. | gal. | .121 | - .154 |
| Gulf ports, 41-43, s.g., w.w., tanks. | gal. | .09 | - .0925 |
| Okla.-Tex., 41-43, s.g., w.w., tanks. | gal. | .08625 | -.08875 |
| Penn., 45, s.g., w.w., tanks | gal. | .11 | - .114 |
| 47, s.g., w.w., tanks | gal. | .1125 | - — |
| Kola nuts, bgs | lb. | .08 | - .10 |
| Kyanite, imp., low iron content, 10-mesh, whse | ton. | 85.00 | -95.00 |
| calcined, grain, 10-mesh, whse | ton. | 95.00 | -105.00 |

## L

| | | | |
|---|---|---|---|
| Lady slipper root, bls | lb. | 1.55 | - 1.85 |
| Lanolin, anhyd., cosmetic, dms., works | lb. | .28 | - .30 |
| pharmaceutical, USP, dms., works | lb. | .26 | - .28 |
| hydrous | lb. | .24 | - .26 |
| Lard, cash, trcs., Chicago | lb. | .12½ | - .12¾ |
| Larkspur seed bgs | lb. | .55 | - .60 |
| Laurel berries, bls | lb. | .25 | - .26 |
| Leaves, Portuguese, bls | lb. | .08 | - .08½ |
| Greek, bls | lb. | .07 | - .08 |
| Turkish, bls., recleaned | lb. | .16 | - .16½ |
| Lavender flowers, medium, bls | lb. | .55 | - .60 |
| ordinary, bls | lb. | .20 | - .21 |
| select, bls | lb. | .60 | - .65 |
| Lead acetate, white, crystals, ords., | lb. | .23¾ | - — |
| gran., bbls. | lb. | .24½ | - — |
| powd., bbls. | lb. | .24½ | - — |
| USP, cryst., dms | lb. | .27 | - .31 |
| gran., powd., dms | lb. | .27¾ | - .31¾ |
| Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld | lb. | .30 | - — |
| l.c.l., frt. alld | lb. | .31 | - — |
| 1-lb. bgs., c.l., frt. alld | lb. | .38 | - .41½ |
| l.c.l., frt. alld | lb. | .39 | - .42½ |
| Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East. | | | |
| Blue basic sulphate, bbls., c.l., ship't point, frt. alld | lb. | .15¾ | - — |
| l.c.l., works | lb. | .16¾ | - — |
| Carbonate (see Lead, white). | | | |
| Chloride, fib. dms | lb. | .49 | - — |
| Iodide, NF V, jars | lb. | 2.94 | - 3.13 |
| Linoleate, liq., 13% Pb, dms., frt. alld | lb. | .38¼ | - — |
| Metal, pigs, prime, N. Y | lb. | .15 | - — |
| E. St. Louis | lb. | .1480 | - — |
| Metallic paste, dms., 10,000-40,000 lbs., works | lb. | .29½ | - — |
| 2,000-10,000 lbs., same basis | lb. | .30 | - — |
| 100 to 2,000 lbs., same basis | lb. | .30½ | - — |
| Naphthenate, liquid, 16% Pb, dms., dlvd | lb. | .15¾ | - .16¼ |
| 24% Pb, dms., dlvd | lb. | .21¾ | - .22¼ |
| 30% Pb, dms., dlvd | lb. | .26½ | - .27 |
| Nitrate, bbls., c.l. | lb. | .20¼ | - — |
| l.c.l. | lb. | .20½ | - — |
| Oleate, bbls. | lb. | .29½ | - — |
| Peroxide, powd., tech., bbls | lb. | .41 | - .43 |
| Phthalate, dibasic, dms., works | lb. | .38¼ | - — |
| Red, 95%, $Pb_3O_4$, or less, bbls., c.l., ship't point, frt. alld. | lb. | .17¾ | - — |
| l.c.l., same basis | lb. | .18¾ | - — |
| 97% $Pb_3O_4$, bbls., c.l., same basis. | lb. | .18 | - — |
| l.c.l., same basis | lb. | .19 | - — |
| 98% $Pb_3O_4$, bbls., c.l., same basis | lb. | .18¼ | - — |
| l.c.l., same basis | lb. | .19¼ | - — |
| Lead resinate, fused, 19% Pb, dms., dlvd | lb. | .20½ | - — |
| Salicylate, normal, dms., works | lb. | .41¼ | - — |
| Silicate, bgs., l.c.l., ship't pt., frt. alld | lb. | .1710 | - .1775 |
| Stearate, dibasic, dms., works | lb. | .51¾ | - — |
| precip., bbls., c.l. | lb. | .36 | - — |
| ton lots | lb. | .37 | - — |
| less ton lots | lb. | .38 | - — |
| Sulphate (see Lead, blue; Lead, white, basic sulphate). | | | |
| tribasic, dms., works | lb. | .25¼ | - — |
| Tallate, liquid, 16% Pb, dms | lb. | .14¼ | - .14¾ |
| solid, 30% Pb, dms | lb. | .22¼ | - .22¾ |
| White, basic carbonate, bgs., c.l., ship't point, frt. alld | lb. | .17 | - — |
| l.c.l., same basis | lb. | .18 | - — |
| basic silicate, bgs., c.l., ship't point, frt. alld | lb. | .16 | - .19¼ |
| l.c.l., same basis | lb. | .16½ | - .20¼ |
| basic sulphate, bgs., c.l., ship't point, frt. alld | lb. | .15¾ | - — |
| l.c.l., same basis | lb. | .16¾ | - — |
| Lecithin, edible, tech., bleached, dms., non-ret., c.l., works | lb. | .16 | - — |
| l.c.l., same basis | lb. | .18½ | - — |
| unbleached, c.l., same basis | lb. | .15 | - — |
| l.c.l., same basis | lb. | .17½ | - — |
| Lemon peel, bls | lb. | .25 | - .36 |
| Leucine, dextro-laevo, dms., works | lb. | 28.00 | -35.00 |
| Licorice extract, mass, cns | lb. | .25 | - .30 |
| powd., bbls. | lb. | .40 | - .42 |
| Root, bls | lb. | .08 | - .09 |
| 5-lb. bundles, cs | lb. | .40 | - .45 |
| powd., bbls | lb. | .11 | - .12 |
| Lignin extract, tanning grade, bgs., c.l., works | lb. | .04¾ | - — |
| Lime, agricultural, bgs., works | ton. | 13.00 | -13.50 |
| Chemical (quicklime), lump, pebble, bulk, Adams, Mass | ton. | 9.00 | - — |
| Annville, Pa | ton. | 10.00 | - — |
| Bellefonte, Pa | ton. | 10.00 | - — |
| Buffalo, N. Y. | ton. | 10.00 | - — |
| Carey, Ohio | ton. | 7.00 | - — |
| Cedar Hallow, Pa | ton. | 9.50 | - — |
| Farnams, Mass | ton. | 9.00 | - — |
| Gibsonburg, Ohio | ton. | 8.50 | - — |
| Hannibal, Mo | ton. | 6.50 | - — |
| Keystone, Ala | ton. | 9.75 | - — |
| Knoxville, Tenn | ton. | 9.75 | - — |
| Limedale, Ark | ton. | 9.00 | - — |
| Longview, Ala | ton. | 9.75 | - — |
| Martinsburg, W. Va | ton. | 10.00 | - — |
| Menominee, Mich | ton. | 8.00 | - — |
| Mitchell, Ind | ton. | 7.50 | - — |
| Rockland, Maine | ton. | 9.00 | - — |
| Scioto, Ohio | ton. | 6.50 | - — |
| Sherwood, Tenn | ton. | 10.00 | - — |
| Sherwood, Wis. | ton. | 8.50 | - — |
| Woodville, Ohio | ton. | 9.50 | - — |
| York, Pa | ton. | 10.00 | - — |
| Hydrated, paper bgs., Adams, Mass. | ton. | 11.50 | - — |
| Annville, Pa | ton. | 13.50 | - — |
| Bellefonte, Pa | ton. | 13.50 | - — |
| Buffalo, N. Y | ton. | 13.50 | - — |
| Carey, Ohio | ton. | 9.00 | - — |
| Cedar Hollow, Pa | ton. | 11.50 | - — |
| Engle, W. Va | ton. | 13.00 | - — |
| Farnams, Mass | ton. | 11.50 | - — |
| Gibsonburg, Ohio | ton. | 9.50 | - — |
| Hannibal, Mo | ton. | 9.50 | - — |
| Keystone, Ala | ton. | 13.00 | - — |
| Knoxville, Tenn | ton. | 12.25 | - — |
| Limedale, Ark | ton. | 10.50 | - — |
| Longview, Ala | ton. | 13.00 | - — |

### Iron Citrate—Linden Flowers

| | | | |
|---|---|---|---|
| Lime, hydrated, Manistique, Mich | ton. | 9.50 | - — |
| Marblehead, Ohio | ton. | 10.50 | - — |
| Mitchell, Ind | ton. | 10.00 | - — |
| Petoskey, Mich | ton. | 10.00 | - — |
| Port Island, Mich | ton. | 9.00 | - — |
| Rapid City, S. Dak | ton. | 12.00 | - — |
| Rockland, Maine | ton. | 9.00 | - — |
| Scioto, Ohio | ton. | 8.00 | - — |
| Sherwood, Tenn | ton. | 13.00 | - — |
| Sherwood, Wis. | ton. | 10.00 | - — |
| Springfield, Mo. | ton. | 9.00 | - — |
| Woodyville, Ohio | ton. | 8.50 | - — |
| York, Pa | ton. | 13.50 | - — |
| Spray, paper bgs., Adams, Mass. | ton. | 11.70 | - — |
| Annville, Pa | ton. | 13.50 | - — |
| Bellefonte, Pa | ton. | 13.50 | - — |
| Carey, Ohio | ton. | 11.00 | - — |
| Eagle, W. Va | ton. | 13.00 | - — |
| Farnams, Mass | ton. | 9.50 | - — |
| Gibsonburg, Ohio | ton. | 10.00 | - — |
| Marblehead, Ohio | ton. | 10.00 | - — |
| Rockland, Me. | ton. | 10.00 | - — |
| Scioto, Ohio | ton. | 10.00 | - — |
| Woodville, Ohio | ton. | 10.00 | - — |
| York, Pa | ton. | 13.50 | - — |
| Lime salts (see Calcium). | | | |
| Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone). | | | |
| Limestone, grd., bgs., works | ton. | 3.50 | - 4.00 |
| Linalool, ex bois de rose | lb. | 4.50 | - 6.85 |
| ex lignaloe wood | lb. | 6.50 | - 7.00 |
| Linalyl acetate, ex bois de rose, bots | lb. | 4.35 | - 7.20 |
| ex petitgrain, bots | lb. | 4.25 | - 6.00 |
| Linden flowers with leaves, bls | lb. | .25 | - .27 |
| without leaves, bls | lb. | .24 | - .26 |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Methyl Salicylate, U.S.P.
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Phenol, U.S.P.
Benzoic Acid, U.S.P.
Acetanilid, U.S.P.
Ferric Phosphates
Salol (Phenyl Salicylate)
Magnesium Phosphates
Salicylic Acid, U.S.P.
Phenolphthalein, U.S.P.
Chloramine-T
Phosphoric Acid
Calcium Phosphate, Di
Acetophenetidin, U.S.P.
Potassium Ammonium Phosphate
Sodium Salicylate, U.S.P.
Sulfanilamide, U.S.P.
Acetyl Salicylic Acid, U.S.P. (Aspirin)
Saccharin, U.S.P.
Benzyl Benzoate, U.S.P.
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Sodium Benzoate, U.S.P.

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### Linseed Meal—Methyl Anthranilate

Linseed meal, 34% bulk, Midwest mills ..ton.58.00 -58.50
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld ..lb. .16¾- —
l.c.l., same basis ..lb. .17¾- —
Lithium benzoate, dms ..lb. 1.65 • —
Bromide, NF, bbls., works, frt. equald ..lb. 1.90 • —
Carbonate, NF, bbls., kgs ..lb. 1.10 • 1.15
Chloride, dms. ..lb. 1.00 • —
Citrate, NF, bbls., dms., kgs ..lb. 1.25 • —
Fluoride, bbls. ..lb. 1.95 • —
Hydroxide, dms. ..lb. 1.10 • —
Salicylate, dms. ..lb. 1.62 • 1.70
Lithopone, ordinary, bgs., c.l., ship't point ..lb. .06¼- —
l.c.l., same basis ..lb. .06½- .06⅝
Titanated (high-strength), bgs., c.l. ..lb. .08¼- —
smaller lots ..lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. ..lb. .85 • .90
Lobelia herb, bls ..lb. .65 • .70
leaves, NF ..lb. .85 • 1.00
Lobeline sulphate, bots., works ..oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. ..lb. .38½- —
No. 2, bbls., l.c.l., ..lb. .36½- —
liquid, No. 1, bbls., l.c.l. ..lb. .18½- —
No. 2, bbls., l.c.l. ..lb. .17½- —
No. 3, bbls., l.c.l. ..lb. .17 • —
No. 4, bbls., l.c.l. ..lb. .16½- —
solid, No. 1, bxs., l.c.l. ..lb. .33 • —
No. 2, bxs., l.c.l. ..lb. .31 • —
No. 3, bxs., l.c.l. ..lb. .28½- —
No. 4, bxs., l.c.l. ..lb. .28 • —
No. 5, bxs., l.c.l. ..lb. .26½- —
No. 6, bxs., l.c.l. ..lb. .44½- .49¼
Lovage root, imp., bls ..lb. 1.20 Nom.
Lupulin, tins ..lb. 1.95 • 2.00
Lycopodium, cs ..lb. 1.90 • 2.50
Lysine hydrochloride, dextro-laevo. kilo.145.00 -149.00

## M

Mace, Amboyna, bls ..lb. .72 • .73
Banda, No. 1, bls ..lb. .90 • .91
Siauw, No. 1, bls ..lb. .75 • .76
West Indian, bls ..lb. .72 • .73
broken, bls. ..lb. .65 • .66
Madder, Dutch, bgs ..lb. .29 • .32
Magnesia, calcined, tech., ctns., works lb. .32 • —
synth., rubber grade, ctns., works ..lb. .29 • —
USP, light ctns ..lb. .34 • —
heavy, bbls ..lb. .36 • —
Magnesium arsenate, bgs., cans, works lb. .20 • .30
Bromide, jars ..lb. .90 • 1.00
Carbonate, tech., bgs., c.l., frt. equald ..lb. .09 • —
l.c.l., frt. alld. ..lb. .10 • —
bbls., c.l., frt. equald ..lb. .10¼- —
l.c.l., frt. alld. ..lb. .11¼- —
kgs., c.l., frt. equald ..lb. .11½- —
l.c.l., frt. alld. ..lb. .12½- —
USP, bgs., c.l., frt. equald ..lb. .10¾- —
l.c.l., frt. alld. ..lb. .11¾- —
bbls., c.l., frt. equald ..lb. .11¼- —
l.c.l., frt. alld. ..lb. .12¼- —
Magnesium carbonate, USP, kgs., c.l., frt. equald ..lb. .12½- —
l.c.l., frt. alld. ..lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works lb. .12¼- —
flake, bbls., c.l., works ..ton.40.00 • —
l.c.l., works ..ton.44.00 -46.00
Gluconate, dms., cns ..lb. 2.80 • 2.94
Glycerophosphate, dms., works lb. 4.85 • —
Hydroxide, NF, medicinal, bbls., dms., kgs ..lb. .29 • .30
Hypophosphite, dms. ..lb. 1.60 • —
Laurate, bbls ..lb. .46 • .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs., works ..lb. .34 • .38
Oleate, precip., bbls ..lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works ..lb. 1.00 • 1.05
Phosphate, tribasic, NF, bbls. ..lb. .75 • —
Silicate (see Talc).
Silicofluoride, bbls., works ..lb. .09 • .09½
Stearate, ctns., c.l. ..lb. .35 • —
smaller lots ..lb. .36 • .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots ..lb. .43 • —
100-lb. lots ..lb. .50 • —
Magnesite, chemical grade, bgs., c.l., mines, Calif ..ton.67.50 • —
dead-burnt, bulk, c.l., Chewalah, Wash ..ton.30.50 • —
Maleic anhydride, dms., c.l. ..lb. .30 • —
l.c.l. ..lb. .31 • —
Malva flowers, black, bls ..lb. 1.45 • 1.75
Blue, bls. ..lb. .95 • 1.10
Leaves, bls ..lb. .40 • .42
Manaca root, bls ..lb. .49 • .50
Mandrake root, bls ..lb. .46 • .55
Manganese acetate, bbls. ..lb. .32 • —
Arsenate, bgs ..lb. .12 • .12¼
Borate, tech., bbls ..lb. .23 • —
Carbonate, bbls ..lb. .19 • —
Chloride, anhyd., dms., works lb. .24 • —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ..ton.74.00 • —
smaller lots, works ..ton.77.00 -82.00
burlap bgs., c.l., works ..ton.71.75 • —
l.c.l., works ..ton.74.75 -79.79
paper bgs., c.l., works ..ton.70.00 • —
l.c.l., works ..ton.71.00 • —
85-90%, bbls., c.l., works ..ton.74.00 • —
smaller lots, works ..ton.77.00 -82.00
Gluconate, dms., cns ..lb. 3.00 • 3.25
Glycerophosphate, NF, fib. dms ..lb. 4.15 • 4.25
Hydrate, bbls., dlvd ..lb. .26 • —
Hypophosphite, NF, dms ..lb. 2.00 • —
Linoleate, liquid, 4.35% Mn, dms. ..lb. .39¼- —
solid, precip., 8.2% Mn, bbls., ..lb. .41½- —
Metal, cs, dlvd. East ..lb. .30 • .32
Naphthenate, liquid, 6% Mn, dms., frt. allowed ..lb. .22¾ • .23¼
Oleate, fused, bbls ..lb. .44¾- —
Resinate, fused, 3½% Mn, dms ..lb. .20 • —
precip., dms. ..lb. .22½- —
Stearate, ctns., c.l. ..lb. .35 • —
smaller lots ..lb. .36 • .37
Sulphate, fertilizer grade 65% bgs., c.l., dlvd. S. E. ..ton.60.00 • —
l.c.l., dlvd. S. E. ..ton.67.00 • —
feed grade, 80%, bgs., dlvd. S. E. ..lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E ..ton.68.50 • —
l.c.l., dlvd. S. E. ..ton.75.50 • —
Tallate, liquid, 4% Mn, dms ..lb. No prices.
solid, 8% Mn, dms ..lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ..ton.72.00 Nom.
Manna, flake, large, cs ..lb. 1.25 • 1.35
small, cs. ..lb. .95 • 1.10
Mannitol, com'l, dms., works ..lb. .40 • .43
reagent, 50-lb. dms., works ..lb. .85 • —
Marjoram, Argentine, bls ..lb. .14 Nom.
Chilean, bls. ..lb. .17½- .18
French, bls ..lb. .32 • .33
Matico leaves, bls ..lb. .25 • .28
Menadione, USP, bots., works gram. .10 • —
Menthol, natural, USP, Brazilian ..lb. 9.00 • 9.25
synthetic, tech., cns ..lb. 6.00 • 6.40
USP, laevo, cns ..lb. 8.60 • 9.25
Methyl salicylate, tins ..lb. 4.25 • 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. allowed, ton lots ..lb. .27 • —
less ton lots, same basis ..lb. .29 • —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms ..lb. 2.13 • 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd ..lb. 3.27 • 3.32
Iodide, red, NF, dms ..lb. 4.32 • —
Yellow, NF, fib. dms ..lb. 4.42 • —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
NF, fib. dms ..lb. 2.44 • 2.46
Mesityl oxide, dms., c.l., dlvd ..lb. .13 • —
l.c.l., dlvd ..lb. .13½- —
tanks, dlvd ..lb. .11½- —
Metaldehyde, dms., works ..lb. .78 • —
Metachloranilin, dms., works ..lb. .75 • —
Metacresol, 98%, dms., c.l., works ..lb. .55 • .60
l.c.l. ..lb. .56 • —
80-82%, dms., works ..lb. .35 • —
70-75%, dms., works ..lb. .30 • —
Metaparaisopropylphenol, dms., c.l. ..lb. .21 • —
l.c.l. ..lb. .22 • —
tanks ..lb. .20 • —
Metanitroparatoluidin, bbls ..lb. 1.28 • 1.33
Metaphenylenediamine, kgs ..lb. .76 • —
Metatoluidine, bbls., works ..lb. .80 • —
Metatolylenediamine, kgs ..lb. .85 • —
Methanol, natural, dms., c.l., frt. allowed ..gal. .58 • —
l.c.l., frt. allowed ..gal. .61 • —
tanks, frt. allowed ..gal. .50 • —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. allowed ..gal. .40 • —
l.c.l., frt. allowed ..gal. .43 • —
tanks, frt. allowed ..gal. .28 • —
zone 2, dms., l.c.l., frt. allowed ..gal. .47 • —
l.c.l., ex whse ..gal. .49½- —
tanks, frt. allowed ..gal. .33 • —
Synthetic methanol zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Texas production, Midwest and Gulf states, dms., c.l., works, frt. allowed ..gal. .37½- —
tanks, frt. allowed ..gal. .27 • —
West of Rockies, dms., c.l., frt. allowed ..gal. .45 • —
tanks, frt. allowed ..gal. .33 • —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more ..lb. 7.25 • —
1 to 49-lb. lots, works ..lb. 8.75 • —
Methoxychlor, dealers, dms., cs., works ..lb. .65 • —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 ..lb. .17 • —
l.c.l., same basis ..lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 ..lb. .17¼- —
l.c.l., same basis ..lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetate, dms., c.l., dlvd., N. Y. ..lb. .08 • —
l.c.l., same basis ..lb. .08¼- —
Acetoacetate, dms., c.l., works ..lb. .49½- —
l.c.l., same basis ..lb. .50 • —
tanks, works ..lb. .48 • —
Methyl acetoacetate prices frt. allowed W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. allowed ..gal. .50 • .60
l.c.l., same basis ..gal. .57 • .67
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. allowed, any quantity ..gal. .50 • .60
synthetic, dms., c.l., works, frt. allowed, E ..gal. .61½- —
frt. allowed, W ..gal. .64 • —
l.c.l., works, frt. allowed, E ..gal. .65 • —
frt. allowed, W ..gal. .68½- —
tanks, works, frt. allowed, E ..gal. .52 • —
frt. allowed, W ..gal. .55½- —
Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 500 lbs. or more ..lb. 2.10 • —
smaller lots ..lb. 2.20 • 3.00


A STABILIZER THAT'S ALSO A DEMULCENT . . .

makes better

Cough Syrup!

**MINUTE FRONDS**

of carrageen yield the clear, pure gelose used in Kraystay, the vegetable stabilizer whose amazing thickening and demulcent properties are ideal for cough syrups

The tiny plant in the picture is known as edible Irish moss. It is taken from the cold ocean floor and highly refined for use in a clear, pure vegetable gelose called Kraystay.

Kraystay, as many manufacturers know, provides exceptionally fine control in the making of solutions *of any desired viscosity*. It is an excellent vehicle in cough syrups . . . and a reliable suspending agent for cocoa or chocolate flavor.

Kraystay demonstrates still another virtue in the preparation of cough syrups . . . it is a demulcent in itself!

***A finer stabilizer . . . with many uses***

By varying the proportions, Kraystay will show unusual stabilizing, emulsifying, thickening, suspending or gelling properties in cosmetics and pharmaceuticals of medium or low acidity.

Kraystay 16-8 is an excellent base for syrups, creams or pastes. Kraystay 16-14 is specifically prepared as a stabilizer with low viscosity and good gelling properties.

To find out more about Kraystay, call or write Kraft today. Kraft Foods Company, Dept. OP-12, 500 Peshtigo Court, Chicago 90, Ill.

***NEW!... NEW!***

Two new additions to the Kraft line of quality stabilizers:
KRAFT BLUE LABEL EDIBLE ALGIN
KRAFT BLUE LABEL NON-EDIBLE ALGIN

# KRAYSTAY

MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

| | | | |
|---|---|---|---|
| Methyl benzoate, cns | lb. | .55 | - 1.20 |
| Bromide, dealers, cns | lb. | .69 | - .71 |
| cyls. | lb. | .60 | - .78 |
| Chloride, indust., cyl., works | lb. | .17 | - — |
| tanks, multi-unit, works | lb. | .13 | - — |
| single-unit, works | lb. | .10½ | - — |
| refrigerator mfrs., cyls., dlvd. | lb. | .34 | - — |
| other consumers or service men, cyls., dlvd | lb. | .42 | - — |
| Cinnamate, cns | lb. | 1.48 | - 1.65 |
| Formate, dms. | lb. | .89 | - — |
| Heptin carbonate, bots | lb. | 36.00 | -38.00 |
| Iodide, bots., cbys | lb. | 3.00 | - 4.85 |
| Lactate, dms., l.c.l., works | lb. | .35 | - — |
| Methacrylate, M-1, dms., works | lb. | .45 | - — |
| cns, works | lb. | .48 | - .58 |
| P-1, cns., works | lb. | .60 | - — |
| Parahydroxybenzoate, USP, bots. | lb. | 2.10 | - 2.20 |
| fib. dms. | lb. | 1.90 | - 2.00 |
| Roseanilin chloride, USP, bots | lb. | 5.15 | - 5.30 |
| Salicylate, USP, dms., 500 lbs | lb. | .40 | - — |
| 25-50 lbs. | lb. | 45 | - — |
| Testerone, USP, 100 gms | gm. | 3.75 | - — |
| Methylal, refined, 95%, dms., c.l. | lb. | .06 | - — |
| l.c.l., works | lb. | .07 | - — |
| tanks, works | lb. | .04½ | - — |
| Methylamyl acetate, dms., c.l., dlvd | lb. | .14½ | - — |
| l.c.l., dlvd | lb. | .15 | - — |
| tanks, dlvd | lb. | .13 | - — |
| Ketone, dms., works | lb. | .70 | - — |
| Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. | lb. | .68 | - — |
| 2,000 lbs. and more, same basis | lb. | .70 | - — |
| smaller lots, frt. alld. on 100 lbs. | lb. | .75 | - .80 |
| standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld | lb. | .62 | - — |
| 2,000 lbs. and more, same basis | lb. | .63 | - — |
| smaller lots, frt. alld. on 100 lbs. | lb. | .68 | - .73 |
| Methylene blue, USP, 100-lb. lots, kgs., frt. equald | lb. | 2.87 | - — |
| smaller lots, kgs., same basis | lb. | 3.02 | - 3.22 |
| Chloride, indust., dms., c.l., dlvd. E | lb. | .12½ | - — |
| l.c.l., dlvd. E | lb. | .13½ | - — |
| tanks, dlvd. E | lb. | .11½ | - — |
| Methylethyl ketone, dms., dlvd | lb. | .11½ | - — |
| l.c.l., dlvd | lb. | .12 | - — |
| tanks, dlvd | lb. | .10 | - — |
| Methylhexyl ketone, tech., dms., works | lb. | .60 | - — |
| Methylionone, A, cns | lb. | 6.55 | - 8.80 |
| D, cns | lb. | 7.50 | - 9.55 |
| prime, cns | lb. | 4.55 | 6.40 |
| Methylisobutyl carbinol (see Carbinol, methylisobutyl). | | | |
| Ketone, dms., c.l., dlvd | lb. | .14 | - — |
| l.c.l., dlvd. | lb. | .14½ | - — |
| tanks, dlvd | lb. | .12½ | - — |
| Methylnaphthyl ketone, cns | lb. | 3.00 | - 3.75 |
| Methylparaben (see Methylparahydroxybenzoate). | | | |
| Methylpentanediol, dms., works, dlvd. | lb. | .16½ | - — |
| l.c.l., works, dlvd | lb. | .17 | - — |
| tanks, works, dlvd | lb. | .15 | - — |
| Methylthionine chloride (see Methylene blue). | | | |
| Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works | lb. | .03¾ | - — |
| roofing, 20 to 80 mesh, works | lb. | .03¾ | - — |
| wet-grd., biotite, bgs., c.l., works, frt. alld. E | lb. | .05½ | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .06¼ | - — |
| extra fine, bgs., c.l., works, frt. alld. E | lb. | .05½ | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .06¼ | - — |
| paint or lacq., bgs., c.l., works, frt. alld. E | lb. | .07 | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .07¾ | - — |
| rubber, bgs., c.l., works, frt. alld. E | lb. | .06¾ | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .07½ | - — |
| wallpaper, bgs., c.l., works, frt. alld. E | lb. | .07 | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .07¾ | - — |
| white, extra fine, bgs., c.l., works, frt. alld. E | lb. | .07 | - — |
| l.c.l., ex whse. or frt. alld. E | lb. | .07¾ | - — |
| Mica, wet-grd., W. of Miss. R., W. of Rockies, 1c. higher. | | ½c. higher. | |
| Milk powder, skimmed roller, bbls., c.l. | lb. | .10½ | - .12¾ |
| spray, bbls., c.l. | lb. | .12½ | - .13¾ |
| Whole, roller, bbls., c.l. | lb. | .28 | - .34¾ |
| spray, bbls., c.l. | lb. | .30 | - .35¾ |
| Sugar, crude, bgs., c.l., works | lb. | .17 | - — |
| edible, bbls., works, 30,000-lb. lots | lb. | .24 | - — |
| 2,000-lb. lots | lb. | .24¾ | - — |
| 200-1,800-lb. lots | lb. | .25¼ | - — |
| USP, bbls., works, 30,000-lb. lots | lb. | .26 | - — |
| 2,000-lb. lots | lb. | .26¾ | - — |
| 200-1,800-lb. lots | lb. | .27¼ | - — |
| Molasses, blackstrap, tanks | gal. | .08 | - .08¼ |
| New Orleans | gal. | .06½ | - — |
| Molybdate orange (see Orange molybdate). | | | |
| Mineral spirits (see Petroleum, mineral spirits). | | | |
| Molybdenum metal, 90% Mo., powd., kgs. | lb. | 2.60 | - 3.00 |
| pure, kgs., works, basis Mo. content | lb. | .95 | - — |
| technical, kgs., works, basis Mo. content | lb. | .80 | - — |
| Monochlorobenzene, dms., c.l., works, frt. equald | lb. | .06½ | - .08 |
| l.c.l., works | lb. | .07 | - .09 |
| smaller containers, works | lb. | .09 | - .12 |
| tanks, works, frt. equald | lb. | .06 | - .06½ |
| Monoethanolamine, dms., c.l., frt. alld. E | lb. | .27 | - — |
| l.c.l., same basis | lb. | .28 | - — |
| tanks, same basis | lb. | .25½ | - — |
| Monoethylamine, dms., c.l., works, basis 100% | lb. | .22 | - — |
| l.c.l., same basis | lb. | .23 | - — |
| tanks, same basis | lb. | .20 | - — |
| Monomethylamine, 25%-40%, dms., c.l., same basis | lb. | .35 | - — |
| l.c.l., same basis | lb. | .36 | - — |
| tanks, same basis | lb. | .31 | - — |
| Monomethylaniliu, dms., works | lb. | .70 | - — |
| Monononylnaphthalene, c.l., dms., works | lb. | .14 | - — |
| l.c.l., dms., works | lb. | .15 | - — |
| tanks | lb. | .13 | - — |
| Monosodium glutamate (see Sodium glutamate, monobasic). | | | |
| Phosphate (see Sodium phosphate, monobasic). | | | |
| Monotertiarybutylmetacresol, dms., c.l., works | lb. | .50 | - — |
| l.c.l., works | lb. | .51 | - — |
| tanks, works | lb. | .49 | - — |
| Morphine, cns. | oz. | 12.35 | -12.40 |
| Acetate, cns. | oz. | 9.85 | - 9.90 |
| Hydrobromide, cns. | oz. | 9.80 | - — |
| Hydrochloride, NF, cns | oz. | 9.90 | - — |
| Sulphate, USP, cns | oz. | 9.90 | - — |
| Morpholine, dms., c.l., works | lb. | .59½ | - — |
| l.c.l., works | lb. | .60 | - — |
| tanks, works | lb. | .58 | - — |
| smaller containers, works | lb. | .75 | - — |
| Mountain ash berries, bgs. | lb. | .75 | - .76 |

| | | | |
|---|---|---|---|
| Mullein flowers, cs. | lb. | 1.25 | - 1.30 |
| Leaves, bls. | lb. | .12 | - .13 |
| Musk, nat., Tonquin, grains, bots. | oz. | 25.00 | -30.00 |
| synthetic—Ambrette, 100 lbs. | lb. | 5.40 | - — |
| 25 lbs. | lb. | 5.50 | - — |
| 5 lbs. | lb. | 5.65 | - — |
| Ketone, 100 lbs. | lb. | 4.95 | - — |
| 25 lbs. | lb. | 5.05 | - — |
| 5 lbs. | lb. | 5.20 | - — |
| Xylol, 100 lbs. | lb. | 1.60 | - — |
| 25 lbs. | lb. | 1.70 | - — |
| 5 lbs. | lb. | 1.85 | - — |
| Musk root, bls. | lb. | No prices. | |
| Mustard seed, Calif., brown | lb. | .22 | - .23 |
| Danish, bgs. | lb. | .15 | - .15½ |
| Dutch, yellow, bgs | lb. | .15 | - .15½ |
| English, yellow, bgs | lb. | .12 | - .12½ |
| Montana, brown, bgs., source | lb. | .06¼ | - .06½ |
| Oriental, bgs., source | lb. | .05¼ | - .05½ |
| yellow, bgs., source | lb. | .10½ | - .11 |
| Washington, yellow, source, bgs | lb. | .11 | - .11¼ |
| Myrobalans, J1, assorted, ex dock. | ton. | 61.00 | -62.00 |
| J2, ex dock | ton. | 53.00 | -54.00 |

## N

| | | | |
|---|---|---|---|
| Naphtha, painters (see Petroleum naphtha, V. M. & P.). | | | |
| Solvent (see S). | | | |
| Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald | lb. | .06¾ | - — |
| tanks, same basis | lb. | .06 | - — |
| 78°, bgs., c.l., works, frt. equald | lb. | .07 | - — |
| l.c.l., same basis | lb. | .07¼ | - .07½ |
| bbls., c.l., same basis | lb. | .071 | - — |
| l.c.l., same basis | lb. | .0735 | - — |
| dms., c.l., same basis | lb. | .07½ | - — |
| l.c.l., same basis | lb. | .08 | - — |
| tanks, same basis | lb. | .065 | - — |
| Naphthalene, dom., refined, industrial, bbls., c.l., frt. equald. | lb. | .12 | - — |
| bgs., c.l., same basis | lb. | .11½ | - — |
| tanks, same basis | lb. | .11 | - — |
| balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis | lb. | .14 | - — |
| bbls., c.l., same basis, | lb. | .13¾ | - — |
| 1-lb. pkgs., c.l., same basis | lb. | .15¼ | - — |
| Neocinchophen, USP, dms., works | lb. | 7.00 | - 7.10 |
| Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y | ton. | 14.25 | - — |
| pottery, 200 mesh, bulk, Rochester, N. Y. | ton. | 18.25 | - — |
| Nepheline syenite in bgs., $3 per ton higher than bulk. | | | |
| Nerolin, cns | lb. | 2.00 | - 2.25 |
| Niacin (see Acid, nicotinic). | | | |
| Niacinamide (see Nicotinamide). | | | |
| Nickel acetate, bbls., dlvd | lb. | .50 | - — |
| Carbonate, bbls., dlvd | lb. | .43 | - .50 |
| Chloride, bbls., dlvd | lb. | .23 | - — |
| Cyanide, bots., dms | lb. | 1.75 | - 2.00 |
| Formate, bbls., ton lots, dlvd | lb. | .43½ | - — |
| Metal, electro cathodes, cs | lb. | .40 | - — |
| Nitrate, bbls., works | lb. | .24½ | - .25½ |
| Oxide, black, bbls | lb. | .42 | - — |
| Sulphate, bgs., c.l., dlvd | lb. | .18 | - — |
| l.c.l., dlvd | lb. | .18½ | - — |
| Nicotinamide, USP, dms., works | kilo. | 11.00 | -11.30 |
| Hydrochloride, dms., works | kilo. | 10.50 | -10.80 |
| Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. | dm. | 53.65 | - — |
| tins, 10 lbs., dealers, frt. alld. on cases of 6 | tin. | 11.80 | - — |



| | | | |
|---|---|---|---|
| Nikethamide, bots., cbys | lb. | 5.50 | - 6.60 |
| Nitercake, bulk, works | ton. | No stocks. | |
| Nitrobenzene, cbl. dist., dms., c.l | lb. | .09 | - 09¼ |
| l.c.l. | lb. | .10 | - .11 |
| tanks | lb. | .08 | - .08¼ |
| Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight | lb. | .28 | - — |
| l.c.l., same basis | lb. | .29 | - .31 |
| 18-25 cps., bbls., c.l., same basis | lb. | .30 | - — |
| l.c.l., same basis | lb. | .31 | - .33 |
| Nitrocellulose, ester-soluble, 18-25 cps., 250-400 secs. and 600-1,000 secs., bbls., c.l., same basis | lb. | .32 | - — |
| l.c.l., same basis | lb. | .33 | - .38 |
| spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis | lb. | .33 | - — |
| l.c.l., same basis | lb. | .34 | - .38 |
| Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable. | | | |
| Nitroethane, dms., works | lb. | .30 | - — |
| Nitrogen solution, tanks, works, N | ton. | 120.00 | -137.16 |
| Nitrogenous process tankage, bulk, works, ammo. unit-ton. | | 3.50 | - 4.00 |
| Sewage sludge, bulk, works, unit | ton. | 3.25 | + .40 |
| Nitromethane, dms., l.c.l., works | lb. | .30 | - — |
| Nitropropane, 1, dms., works | lb. | .30 | - — |
| 2, dms., works | lb. | .30 | - — |
| Nutgalls, Aleppo, bgs | lb. | .50 | - — |
| Chinese, bgs. | lb. | .40 | - — |
| Istrian, bgs | lb. | .29 | - — |

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SODIUM BENZOATE
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## Nutmegs—Oil, Peanut

Nutmeg, East Indian, bgs lb. .38 - .39
futures, bgs. lb. .37 - .38
West Indian, bgs lb. .35 - .35½
futures lb. .33 - .34
Nux vomica, bls lb. .08 - .09
powdered, bbls., bxs lb. .11 - .12

## O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10° C, Bayonne, N. J., tanks gal. .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, abies siberica, cns lb. 2.35 - 3.10
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots lb. 4.45 - 5.00
NF, bots. lb. 4.50 - 4.90
Sweet, dms., cns lb. .80 - .95
Angelica root, bots lb. 120.00 -190.00
Seed, bots lb. 80.00 -100.00
Anilin (see A).
Anise, USP, Chinese, dms lb. .80 - 1.05
Russian, cns lb. 3.50 - 3.75
Apricot kernel, tech. (see Oil, persic).
USP (see Oil, persic).
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, crude, tankcars lb. .19 Nom.
Bay, NF, Puerto Rican, 50-55% cns lb. 1.20 - 1.50
55-60%, cns. lb. 1.20 - 1.60
West Indian, 50-55%, cns lb. 1.20 - 1.60
Bergamot, artif., cns lb. 2.50 - 4.25
natural, Italian, cns lb. 3.90 - 4.60
Oil, birch (see Oil, sweet birch).
Birchtar, crude, cns lb. .95 - 1.70
rectified, NF, cns lb. 4.25 - —
Bois de rose, Brazil, cns lb. 2.75 - 4.75
Mexican (see Oil, Rignaloe wood).
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms lb. 1.70 - 2.00
redistilled, USP, X, cns lb. 2.20 - 4.50
Calamus, cns lb. 20.00 -28.00
Camphor, natural, white, cns lb. .40 - .50
dms. lb. .30 - .40
Cananga, native, cns lb. 2.00 - 2.55
rectified, cns. lb. 2.90 - 3.65
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 5.00 - 6.50
Cardamom, NF, bots lb. 45.00 -50.00
Cassia, USP, cns lb. 1.80 - 2.40
Castor, blown, dms., c.l lb. .21 - —
dms., l.c.l. lb. .21½- —
standard, USP, dms., c.l. lb. .19 - —
l.c.l. lb. .19½- —
tanks lb. .18 - —
refined and deodorized, dms., c.l lb. .20½- —
dms., l.c.l. lb. .21 - —
tankcars lb. .19½- —
dehydrated, bodied, dms., c.l lb. .22¾- —
l.c.l. lb. .23¼- —
tanks lb. .21¾- —
unbodied, dms., c.l. lb. .21¾- —
l.c.l. lb. .22¼- —
tanks lb. .20¾- —
hydrogenated, dms., c.l., works. lb. .30 - —
l.c.l., same basis lb. .31 - —
No. 3, tech., dms., c.l. lb. .18 - —
l.c.l. lb. .18½- —
tanks lb. .17 - —
sulphonated, 50% (48% fat), dms lb. .12 - .12½
75% (60-62% fat) dms lb. .18 - .18½
Oil, cedarleaf, USP, cns., dms lb. 1.85 - 2.85
tech., dms. lb. 1.70 - 1.80
Cedarwood, cns. lb. .45 - .55
dms. lb. .35 - .50
Celeryseed, bots lb. 14.00 -16.50
Chaulmoogra, NF, cns., dms lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb. 33.00 -73.00
Leaf, Ceylon lb. 1.50 - 1.75
Seychelle lb. 1.20 - —
Citronella, Ceylon, cns lb. .75 - 1.03
Java type, cns lb. 1.25 - 1.65
Clove, USP, from Madagascar buds, cns., dms lb. 1.25 - 1.55
from Zanzibar buds, cns lb. 1.60 - 1.90
Coconut, crude, tanks, Atlantic ports lb. .16 - —
Pac. coast lb. .19 - —
refined, Cochin type, tax incl., dms., l.c.l. lb. .22½- —
deodorized, tax incl., dms., l.c.l. lb. .24 - —
Cod, Newfoundland, dms lb. .20 - .22
Codliver, USP, dms gal. 2.40 - 2.45
Coriander, bots lb. 31.00 -35.00
Corn, crude, tanks, works lb. .12 - —
foots, acid, 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, tanks, mills lb. .13¾- .14
dms., New York lb. .17 - —
Costus, bots. oz. 30.00 - —
Cottonseed, crude, tanks, works lb. .11½- —
foots, acid 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, dms lb. .17¼- .17½
tankcars lb. .15½- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 7.00 -10.00
Cumin, bots. lb. 6.25 -11.50
Oil, cypress, bots lb. 11.00 -16.00
Degras (see D).
Dillseed, bots lb. 9.00 - 9.50
Dillweed, bots., dms lb. 7.35 - 8.60
Dip (see D).
Erigeron, cns lb. 5.00 - 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .75 - 1.45
70-80%, cns. lb. .65 - 1.30
Fennel, sweet, cns lb. 2.75 - 3.00
Fir, Canada, cns lb. 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units. .24½- —
20,000 to 80,000 A units, dms 1,000,000 units. .29 - .34
pharmaceutical, 50,000 to 125,000 A units, dms., 1,000,000 units. .33 - .50
pharmaceutical or food, 200,000 A units, dms 1,000,000 units. .43 - —
concentrate, 100,000 A units, dms 1,000,000 units. .40 - —
200,000 A units, dms 1,000,000 units. .43 - —
300,000 A units, dms 1,000,000 units. .46 - —
400,000 A units, dms 1,000,000 units. .47 - —
500,000 A units, dms. 1,000,000 units. .50 - —
1,000,000 A units, dms 1,000,000 units. .55 - —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 9.25 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb. 9.50 -12.00
Bourbon, cns. lb. 10.50 -11.75
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb. 10.25 -13.50
Grapefruit lb. .85 - 1.25
Grease, No. 1, dms lb. .10¾- .11½
extra, winter, strained, dms lb. .11¾- .12¼
prime, burning, dms lb. .13 - .13½
Guaiacwood, cns lb. 1.85 - 2.15
Hemlock, cns. lb. 1.95 - 2.75
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.00 - 7.00
twice rectified lb. 4.75 - 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 3.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 1.40 - 3.75
Lavender flower, French, 38-42% ester, cns lb. 3.20 - 4.35
30-32% ester, cns. lb. 2.50 - 3.10
Spike, Spanish, cns lb. .90 - 1.05
Lemon, USP, Calif. cns lb. 2.75 - 3.00
Messina lb. 2.75 - 5.00
terpeneless, bots lb. 32.00 -65.00
Lemongrass, cns., dms lb. 1.60 - 1.90
Lignaloe seed, Mexican, cns lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 - 5.20
Lime, distilled, Mexican, cns lb. 4.50 - 5.25
West Indian, cns lb. 4.75 - 5.50
expressed, West Indian, cns lb. 6.25 - 8.00
terpeneless, bot lb. 35.00 -53.00
Linseed, raw, dms., c.l. lb. .2880- —
l.c.l. lb. .2940- .298
tankcars lb. .2760- —
tankwagon lb. .2790- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .205 - —
Penna., W, cylinder, 600-680 flash, tanks gal. .33 - .38
600-650 steam refd., tanks. gal. .37 - —
neutral, 70°F. No. 3 color, 150 vis., 25 pour, tanks gal. .37 - .39
200 vis., 25 pour, tanks. gal. .39 - .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks. gal. .11 - .12
red. 200 vis., 4-6½ pour, tanks gal. .11 - .12¼
Mace, dist., cns., dms lb. 3.75 - 8.35
Mandarin, Brazilian, cns lb. 4.25 - 8.40
Italian, cns lb. 8.75 - 9.25
Menhaden, crude, tanks, Baltc lb. .06 Nom.
refined, alkali, dms lb. .1620- .1660
kettle-bodied, dms lb. .1820- .1860
light-pressed, dms lb. .1520- .1560
tanks lb. .14 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb. 1.40 - 1.70
Seed, expressed, dms lb. .23 - .23¼
Neatsfoot, 15°, dms lb. .34 - —
20°, dms. lb. .33 - —
30°, dms. lb. .29 - —
Neroli, French, bots lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Niaouli, cns. lb. 2.75 - 3.25
Nutmeg, dist., East Indian, cns., dms lb. 3.95 - 8.35
West Indian, cns., dms lb. 3.75 - 4.65
Ocotea cymbarum, dms lb. .46 - .60
Oiticica, liquid, dms., c.l. lb. .16 - .17
l.c.l. lb. .16¼- .17¼
tanks lb. .16 Nom.
Oleo, oil, extra, tres lb. .12½- —
Olibanum, bots lb. 4.50 - 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms gal. 3.25 - —
edible, Calif., dms gal. 3.75 - —
Spanish, dms., duty paid gal. 4.00 - 4.10
Moroccan, dms., same basis. gal. 3.80 - 4.00
foots, dms lb. No stocks.
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
Orange, sweet, natural, dist., cns., lb. .50 - 1.00
expressed, USP, Brazilian, cns lb. .80 - 1.25
Calif., cns. lb. .70 - 1.75
Florida, cns., dms lb. .55 - 1.00
Messina, coppers lb. 3.25 - 3.75
West Indian, cns lb. 2.25 - 3.75
sesquiterpeneless, bots lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, Congo, dms lb. .19 - .19½
tankcars No stocks.
Palmarosa, cns lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale 100-110 vis. at 100° F. tanks, East Coast refinery gal. .11¼- —
Patchouli, dms lb. 6.00 - 7.25
Peach kernel, USP (see Oil, persic).
Peanut, crude, tanks, works lb. .13¼- —
foots, acid, 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, tanks, dlvd. E lb. .16¾- —
drums lb. .18 - .18¼

You just can't keep a customer's nose out of your business—because the sense of smell is a basic and important influence in his preferences for one product against another.

Felton chemists, with a wealth of research and experience in Industrial Aromatics and Deodorizing Agents, can supply you with the perfect perfumes or neutralizers for your products. All you have to do is send us a sample of what you make—so that we can make careful, individualized study of your requirements.

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Perfume Oils

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Essential Oils

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MONTREAL • TORONTO

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They'll sell better.

PLASTICS • LEATHERS
TEXTILES • PAINTS
INKS • PAPER
RUBBER ITEMS

| | | | |
|---|---|---|---|
| Oil, pennyroyal, USP, dom., dms., cns. | lb. | No stocks. | |
| imported, cns. | lb. | 2.30 | - 2.65 |
| Peppermint, natural, dms | lb. | 5.90 | - 6.35 |
| redist., USP, dms | lb. | 6.25 | - 6.75 |
| Persic, USP, dms | lb. | .45 | - .56 |
| Perilla, crude, dms | lb. | No stocks. | |
| Petitgrain, Paraguay, cns | lb. | 2.45 | - 2.70 |
| Pimento berry, dms | lb. | 4.25 | - 6.00 |
| leaf, cns | lb. | 1.50 | - 1.80 |
| Pine, dest.-dist., dms., incl., c.l., works, South | gal. | .60 | .69 |
| l.c.l., works, South | gal. | .61 | 70 |
| dms., incl., c.l., works, South | lb. | .07½- | — |
| l.c.l., works, South | lb. | .08 | - — |
| ex whse., N. Y. C. | gal. | .70 | - — |
| ex whse., N. Y. C. | lb. | .09½- | — |
| tanks, works, South | lb. | .062 | - — |
| tanks works, South | gal. | .60 | - — |
| steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N. Y. C | gal. | .86 | — |
| Pineneedle, Siberian (See oil, abies siberica). | | | |
| Putty, petroleum, heavy, dms | gal. | .18 | - — |
| tankwagon | gal. | .13½ | — |
| light, dms | gal. | .16½ | — |
| tankwagon | gal. | .12½ | — |
| Rapeseed, tankcars | lb. | .24 | Nom. |
| Red, single dist., dms | lb. | .12½- | .13¼ |
| tanks | lb. | .11¼- | — |
| saponified, dms. | lb. | .11¾- | .12¾ |
| double dist., dms | lb. | .15 | - .16 |
| tanks | lb. | .13¾- | — |
| Rose, natural, Bulgarian, coppers. | oz. | 25.00 | -38.00 |
| Rosemary, Spanish, tech., cns., dms | lb. | .75 | - 1.50 |
| USP, cns., dms | lb. | .90 | - 1.60 |
| Rosin, first rectified, dms | gal. | .66 | - — |
| 2d rectified, dms | gal. | .68 | - — |
| 3d rectified, dms | gal. | .78 | - — |
| Rue, bots | lb. | 3.25 | - 5.00 |
| Sage, clary, bots. | lb. | 14.50 | -16.00 |
| Dalmatian, cns. | lb. | 2.80 | - 3.10 |
| Spanish, cns. | lb. | 1.40 | - 3.50 |
| Sandalwood, NF, cns | lb. | 13.75 | -16.60 |
| Sardine, crude, tanks, Pac. coast | lb. | .06 | Nom. |
| refined, alkali, dms | lb. | .1620- | .1660 |
| kettle-bodied, dms | lb. | .1820- | .1860 |
| light-pressed, dms | lb. | .1520- | .1560 |
| tanks | lb. | .14 | - — |
| Sassafras, artificial | lb. | .40 | - .55 |
| natural, Brazilian (see Oil, ocotea cymbarum). | | | |
| domestic, USP, cns., dms | lb. | 1.80 | - 2.30 |
| Savin cns. | lb. | 3.00 | - 3.25 |
| Savory, cns | lb. | 3.00 | - — |
| Seal, No. 1, tanks, U. S. ports | lb. | No prices. | |
| Sesame, tanks | lb. | No prices. | |
| Shingle stain, bbls., c.l., works | gal. | .2185- | — |
| l.c.l., works | gal. | .25 | .29 |
| tanks, works | gal. | .15 | .16 |
| Snakeroot, Canada, cns | lb. | 19.00 | -19.25 |
| Soybean, crude, tanks, mills | lb. | .10½- | .10¾ |
| foots, acid, 95%, tanks, dlvd. E. | dlvd. E | lb. | .03 Nom. |
| raw, 50%, tanks, dlvd. E | lb. | .01½ | Nom. |
| refined, alkali, dms., c.l. | lb. | .1450- | — |
| l.c.l. | lb. | .1510- | .1550 |
| tanks | lb. | .1335- | — |
| clarified, dms., c.l. | lb. | .1335- | — |
| l.c.l. | lb. | .1390- | .1430 |
| tanks | lb. | .1215- | — |
| edible, tankcars, dlvd. East | lb. | .13⅜ | Nom. |
| drums | lb. | .15½- | .15¾ |
| Spearmint, dms | lb. | 3.95 | - 4.75 |
| Sperm, bleached winter 45° tankcars | lb. | .2150- | — |
| drums | lb. | .2220- | .2270 |
| natural winter 45°, tankcars | lb. | .20 | - — |
| drums | lb. | .21 | - .21¼ |
| Spruce, cns., dms | lb. | 1.95 | - 2.75 |
| Sunflower-seed, lmp., refined, tanks | lb. | No prices. | |
| semi-refined, tanks | lb. | No prices. | |
| Sweet birch, Northern, cns | lb. | 5.00 | - 8.00 |
| Southern, cns. | lb. | 1.95 | - 3.65 |
| Tall, crude, tanks, works | ton. | 40.00 | - — |
| refined, dms., c.l., works | lb. | .06¾- | — |
| l.c.l., works | lb. | .07 | - — |
| tanks, works | lb. | .05¾- | — |
| Tallow, acidless, dms | lb. | .10 | - .10½ |
| Tansy, cns | lb. | 9.00 | -14.00 |
| Tar, pine, com'l, dms., incl., c.l., works, South | gal. | .41 | - .43½ |
| l.c.l., works, South | gal. | .43 | - .45½ |
| whse., N.Y.C. | gal. | .52¼ | .54¾ |
| tanks, works, South | gal. | .32 | - .34½ |
| rectified, NF, l.c.l., dms., incl., works, South | gal. | .60 | — |
| Tar acid (see P). | | | |
| Teaseed, dms | lb. | .24 | Nom. |
| Theobroma (see Cocoa butter). | | | |
| Thyme, NF, red, cns | lb. | 2.15 | - 3.35 |
| white, cns. | lb. | 2.40 | - 3.80 |
| technical, white, cns | lb. | .35 | 1.00 |
| Tung, dom., tanks, mills | lb. | .19½- | — |
| imported, dms., c.l. | lb. | .21½- | — |
| l.c.l. | lb. | .22 | - — |
| tanks | lb. | .20 | Nom. |
| Turkey red (see oil, castor, sulphonated). | | | |
| Turpentine, rectified, NF, cns., dms | lb. | .35 | - .55 |
| Vetiver, Bourbon, cns | lb. | 11.75 | -14.00 |
| Haitian, cns | lb. | 11.00 | -15.50 |
| Java, cns | lb. | 10.40 | -15.00 |
| Whale, ref., natural, dms | lb. | No stocks. | |
| Winter-bleached, dms | lb. | No stocks. | |
| Wheat germ, dms | gal. | 10.00 | -13.50 |
| White mineral, tech., 50 vis., nonret. dms., c.l., San Francisco | gal. | .51½- | — |
| l.c.l., S.F. | gal. | .53½- | .56⅛ |
| 50-65 vis., dms., c.l., N. Y. | gal. | .49½- | — |
| l.c.l., N. Y. | gal. | .52½- | .56⅛ |
| 65-75 vis., dms., c.l., N. Y. | gal. | .49½- | — |
| l.c.l., N. Y. | gal. | .52½- | .56⅛ |
| 70 vis., non-ret. dms., c.l., S.F. | gal. | .51½- | — |
| l.c.l., S. F | gal. | .53½- | .56⅛ |
| USP, 80-90 vis., dms., c.l., N. Y. | gal. | .53 | - — |
| l.c.l., N. Y | gal. | .56 | - .60 |
| 85 vis., non-ret. dms., c.l., S. F | gal. | .51½- | — |
| l.c.l., S. F | gal. | .53½- | .56⅛ |
| 100 vis., non-ret. dms., c.l., S.F. | gal. | .59 | - — |
| l.c.l., S. F | gal. | .61 | .64 |
| 125-135 vis., dms., c.l., N. Y. | gal. | .61 | — |
| l.c.l., N. Y | gal. | .64 | .68 |
| 145 vis., non-ret. dms., c.l., S. F | gal. | .68 | — |
| l.c.l., S. F | gal. | .70 | 76 |
| 145-155 vis., dms., c.l., N. Y. | gal. | .64 | - — |
| l.c.l., N. Y | gal. | .67 | .71 |
| 175-185 vis., dms., c.l., N. Y. | gal. | .65½- | — |
| l.c.l., N. Y | gal. | .68½- | .72½ |
| 180 vis., non-ret. dms., c.l., S. F | gal. | .70 | - — |
| l.c.l., S. F | gal. | .72 | - 75 |
| 200-210 vis., dms., c.l., N. Y. | gal. | .69 | — |
| l.c.l., N. Y | gal. | .72 | 76 |
| 335-345 vis., dms., c.l., N. Y. | gal. | .75 | - — |
| l.c.l., N. Y | gal. | .78 | .82 |
| 340 vis., non-ret. dms., c.l., S. F | gal. | .83 | — |
| l.c.l., S. F | gal. | .85 | .88 |

| | | | |
|---|---|---|---|
| Oil, wintergreen, nat., Northern, cns. | lb. | 8.75 | -14.50 |
| Southern, cns | lb. | 3.65 | - 5.60 |
| synthetic (see Methyl salicylate). | | | |
| Wood (see Oil, tung). | | | |
| Wormseed, NF, cns | lb. | 3.25 | - 3.75 |
| Wormwood, cns. | lb. | 6.65 | -13.50 |
| Ylang-ylang, Bourbon, extra, bots. | lb. | 12.00 | -22.50 |
| Bourbon, bots | lb. | 8.50 | - 8.75 |
| Madagascar, bots | lb. | 7.25 | - 7.50 |
| Olein, crude (see Oil, red). | | | |
| white, low titre, dms | lb. | .15 | - .16 |
| tankcars | lb. | .13¾- | — |
| Oleostearin, bbls | lb. | .10 | - — |
| Olivine, aggregate, c.l., mines | ton. | 7.00 | 9.50 |
| crushed, 8 mesh, bulk, c.l., works. | ton. | 10.00 | - — |
| paper, bgs., c.l., works | ton. | 12.00 | - — |
| Opium, USP, cns. | lb. | 19.20 | -19.45 |
| gran., USP, cns. | lb. | 21.65 | -21.90 |
| powd., USP, cns. | lb. | 21.65 | -21.90 |
| Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies | lb. | 1.10 | — |
| Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts | lb. | .32 | - — |

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

| | | | |
|---|---|---|---|
| Orange, chrome dinitroanilin toner. | lb. | 1.15 | - — |
| Mineral, American, bbls., l.c.l., ship't point, frt. alld | lb. | .2110- | — |
| Molybdate | lb. | .44 | - — |
| Orange, Persian, bbls | lb. | .30 | - .45 |
| Orange flowers, bls | lb | 40 | 45 |
| Orange peel, bitter, Haitian, bls | lb | 13 | 15 |
| Sweet, bls | lb | 14 | .16 |
| Oregano, Mexican, bgs | lb. | .12½- | .13 |
| Portuguese, bgs | lb | 20 | .20½ |
| Sicilian, bgs. | lb. | 15 | .15½ |
| Orris root, Florentine, bls | lb. | .22 | - .25 |
| powdered, bbls., bxs | lb. | .26 | - .29 |
| Verona, bls | lb | 18 | 19 |
| powdered, bbls., bxs | lb | 22 | .23 |
| Orthoaminobiphenyl, dms, c.l., works | lb. | .32½ | — |
| l.c.l., same basis | lb. | 33 | — |
| tanks, same basis | lb | 31 | — |
| Orthoamylphenol, dms, l.c.l. works | lb. | 42 | - — |
| Orthoanisidin, bbls | lb | 60 | — |
| Orthochloroanilin, dms. 10,000 lbs. or more | lb. | 60 | — |
| smaller lots | lb. | 62 | .67 |
| Orthochloroparanitroanilin, dms., work. | lb. | 65½ | .81 |
| Orthochlorophenol, dms | lb | 28 | — |
| Orthocresol, pure, 30°, dms., c.l., works, frt. equald | lb. | .23½- | 24 1/20 |
| l.c.l., works | lb. | .24 | -24 7/20 |
| tech., 29°-30°, dms., c.l., works | lb. | .22½- | 23 1/20 |
| l.c.l., works | lb. | .23 | -23 7/20 |
| 25°-27°, dms., c.l., works | lb. | .20½- | — |
| l.c.l., same basis | lb. | .21 1/10- | — |
| tanks, same basis | lb. | .19½- | — |

## Oil, Pennyroyal—Papain

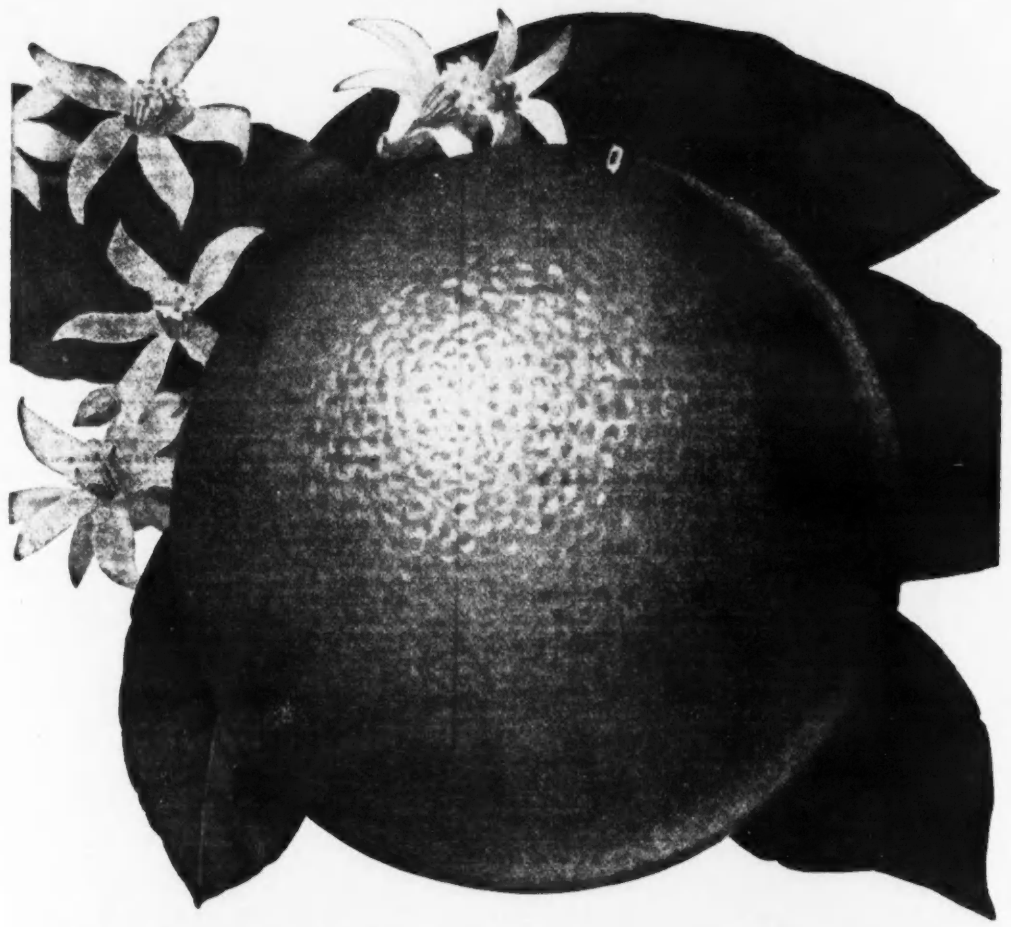
| | | | |
|---|---|---|---|
| Orthodichlorobenzene, cns., 50-lb | lb. | 12½- | — |
| 100-lb. | lb. | 11½- | — |
| dms., c.l., works, frt. alld. E. of Rockies | lb. | 08½- | — |
| l.c.l., same basis | lb. | 09½- | — |
| tanks, same basis | lb. | 07 | — |

Orthodichlorobenzene prices W of Rockies 1c. per lb. higher

| | | | |
|---|---|---|---|
| Orthoisopropyl N-phenylcarbanate | (see IPC). | | |
| Orthoisopropylphenol, dms., c.l. | lb. | .29 | — |
| l.c.l. | lb. | .30 | - — |
| tanks | lb. | .28 | - — |
| Orthonitroanilin, dms | lb | 50 | 53 |
| Orthonitrochlorobenzene, dms | lb | .17 | 18 |
| Orthonitrobiphenyl, tech., dms., c.l., works | lb. | 19½- | — |
| l.c.l., works | lb. | 20 | — |
| tanks, works | lb. | 18 | — |
| Orthonitroparachlorophenol, cns | lb. | .75 | - — |
| Orthonitrophenol, dms | lb. | .66 | 77 |
| Orthonitrotoluene, dms. | lb. | 12 | — |
| Orthophenetidin, dms., works | lb. | .90 | - — |
| Orthotoluidin, dms | lb | 18 | .20 |
| Orthotolidin, distilled, kgs | lb. | 1.10 | — |
| Osage orange crystals, bbls., l.c.l | lb. | 33½ | — |
| extract, liquid, bbls., l.c.l | lb. | 15½ | — |
| Ouabaine, USP, lots | gram. | 3.00 | 4.00 |
| Ox gall, conc., gran., bb. dms., 5 lbs. and up | lb. | 2.50 | - — |
| Oxyquinolin sulphate, crs. 100 lbs. works | lb. | 5.00 | — |
| smaller lots, works | lb. | 5.10 | - .25 |

## P

| | | | |
|---|---|---|---|
| Pancreas substance, assay 1:75 | lb. | 5.75 | 6.25 |
| Pancreatin, USP | lb. | 2.50 | 3.00 |
| Panthenol, bots., works, frt. adjust. | kilo | 90.00 | — |
| Papain, powd., NF, cs | lb. | 2.90 | - 3.20 |

# THE WORLD'S FINEST ORANGE OIL

Made exclusively from oranges from the Sunkist Groves of California.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil.

Give it all your tests for *quality, uniformity* and *strength*. Then you'll buy Exchange Brand.

*Distributed in the United States exclusively by*
**FRITZSCHE BROTHERS, INC.**
76 Ninth Avenue, New York 11, N. Y.
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*Distributors for:*
**CALIFORNIA FRUIT GROWERS EXCHANGE**
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
*Producing Plant:*
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.


V 151 18 MAY 2 1949 XUM

## Papaverine—Petroleum, Mineral Spirits

Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots..oz. 5.00 - —
smaller lots..oz. 5.05 - 5.20
Sulphate, cns..oz. 7.10 - 7.35
Paprika, Chilean, bgs..lb. .19 - .20
Portuguese, bgs..lb. .33 - .34
Spanish, bgs..lb. .26 - .40
Para-anisidin, dms., works..lb. .80 - —
Parachloropnenol, dms., c.l., works..lb. .20 - .28
l.c.l., works..lb. .28 - .29
Parachloroanilin, dms., frt. alld. E. Miss..lb. .70 - —
Parachloro-orthonitroanilin, dms..lb. No stocks.
Paracresol, 98%, dms., works..lb. .50 - .65
92%-94%, dms., works..lb. .47 - —
Paracymene, dms., works, 50 gals. or more..gal. 2.50 - —
smaller quantities..gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works..lb. .45 - —
Paradichlorobenzene, dms., c.l., works..lb. .11 - —
l.c.l., same basis..lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. No prices.
121-123 ASTM, bbls., c.l., ref'y..lb. No prices.
126-128 ASTM, bbls., c.l., ref'y..lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y..lb. .0690- —
122-124 ASTM, loose, c.l., ref'y. lb. .07 - —
125-127 ASTM, loose, c.l., ref'y. lb. .0710- —
120-130 ASTM, loose, c.l., ref'y lb. .0730- —
Paraffine, fully refd., slabs, 130-132 ASTM, loose, c.l., ref'y lb. .0735- —
132-134 ASTM, loose, c.l., ref'y. lb. .0760- —
135-137 ASTM, loose, c.l., ref'y. lb. .08 - —

Paraffin prices in bgs. and cns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, dms., 1,000 lbs., works..lb. .24 - —
smaller lots, works..lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works..lb. .12½ .13½
5-10-gal. dms., l.c.l., works..lb. .16½- —
tanks, works..lb. .11 - —
USP, cbys..lb. .51 - .53
Paranitroanilin, kgs., works..lb. .44½- —
Paranitrochlorobenzene, kgs., works. lb. .18 - —
Paranitrophenol, kgs., works, frt. equald..lb. .40 - —
Paranitrotoluene, kgs., works..lb. .39 - —
Paraphenetidin, dms., works..lb. .88 - —
Paraphenylphenol, bgs., works..lb. .28 - .29
Paraphenylenediamine, tech., kgs., works..lb. 1.30 - —
Paratertiarybutylphenol, bgs., c.l., frt. equald..lb. .21 - —
l.c.l., same basis..lb. .22 - —
Parathion tech., dms., c.l., works..lb. 2.50 - —
l.c.l., works..lb. 2.55 - —
Paratoluenesulphonamide, bbls., works..lb. .70 - —
Paratoluidin, bbls., works..lb. .55 - .63
Pareira brava root, whole, bgs..lb. .30 - .31
ground, bxs..lb. .35 - .37
powder, bxs..lb. .38 - .40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E..lb. .31 - —
l.c.l., same basis..lb. .32 - .33
Passion flower herb, bls..lb. .26 - .28
Patchouli leaves, bls..lb. .45 - .55
Peanut meal, 45%, sacked, mills..ton.59.00 - —
Pectin, citrous, NF, powd., bbls..lb. 2.05 - 2.06
tech., powd., bbls..lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 500,000,000 to 5,000,000,000 unit lots..100,000 units. .05½- .06¼
Sodium, USP, unlabeled vials, 100,000 units..vl. .12½- —
200,000 units..vl. .18 - —
500,000 units..vl. .34½- —
1,000,000 units..vl. .62 - —
crystalline, potassium, unlabeled vials, 100,000 units..vl. .14½- —
200,000 units..vl. .22 - —
500,000 units..vl. .44½- —
1,000,000 units..vl. .82 - —
bulk, 500,000,000 to 5,000,000,000 unit lots 100,000 units. .06¼- .07½
Procaine, regular or pulverized, bulk, 500,000,000 to 5,000,000,000 units lots..100,000 units. .07 - .07¾
Sodium, unlabeled vials, 100,000 units..vl. .14¾- —
200,000 units..vl. .22½- —
500,000 units..vl. .45¾- —
1,000,000 units..vl. .84½- —
bulk, 500,000,000 to 5,000,000,000-unit lots..100,000 units. .07 - .07¾
Pennyroyal leaves, bls..lb. .28 - .30
Pentachlorophenol, dms., works..lb. .20 - .25
Pentaerythritol, tecn., bgs., c.l., works..lb. .29 - —
l.c.l., works..lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3..gal. .10½- 11¼
Pepper, black, bgs..lb. .87 - .88
April arrival..lb. .86 - .87
May ship't, bgs..lb. .87 - .88
June-July ship't, bgs..lb. .86 - .87
Red, Carolina, bgs..lb. .50 Nom.
Hontaka, bgs..lb. .65 - .65¼
Louisiana longs, bgs..lb. .18 Nom.
Mombasa chillies, bgs..lb. .36 - .37
Niger, capsicum, bgs..lb. .38 - .39
birdseye, bgs..lb. .62 Nom.
White, bgs..lb. 1.25 - 1.27
Peppermint, USP, Gom., bls..lb. .60 .65
imported, bls..lb. .95 - 1.05
Pepsin, NF, bulk containers..lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld..lb. 11 - —
zone 2, same basis..lb. .11½- —
zone 3, same basis..lb. .12 - —
zone 4, same basis..lb. .11½- —
l.c.l., zone 1, same basis..lb. .11¾- —
zone 2, same basis..lb. .12¼- —
zone 3, same basis..lb. .12¾- —
zone 4, same basis..lb. .12¼- —
tanks, zone 1, same basis..lb. .10½- —
zone 2, same basis..lb. .11 - —
zone 3, same basis..lb. .11½- —
zone 4, same basis..lb. .11 - —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms..lb. .85 - 1.00
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
f.o.b. Indiana refy..lb. .04½- —
golden topaz, bbls., c.l..lb. .032 - —
l.c.l..lb. .036 - —
red, veterinary, bbls., c.l..lb. .024 - —
l.c.l..lb. .028 - —
USP, amber, non-ret, dms., c.l..lb. .04⅞- —
Pennsylvania refy..lb. .04½- —
l.c.l..lb. .06 - —
California refy..lb. .08¼- —
cream, c.l., dms..lb. .06⅝- —
l.c.l..lb. .08¼- —
extra, amber, dms., c.l..lb. .05⅛- —
Pennsylvania refy..lb. .04¾- —
l.c.l..lb. .06¼- —
white, lily, dms., c.l..lb. .06⅝- —
l.c.l..lb. .08½- —
snow, dms., c.l..lb. .07⅛- —
Pennsylvania refy..lb. .07⅝- —
l.c.l..lb. .08¾- —
California refy..lb. .12 - —
soft, dms., c.l..lb. .06⅝- —
Pennsylvania refy..lb. .06⅛- —
l.c.l..lb. .07¾- —
California refy..lb. .10½- —
yellow, soft, dms., c.l..lb. .05 - —
Pennsylvania refy..lb. .04⅝- —
l.c.l..lb. .06⅛- —
California refy..lb. .08⅛- —
Petroleum, crude, bulk, at wells, California..bbl. 1.94 - 2.88
Illinois..bbl. 2.45 - 2.87
Kentucky..bbl. 2.43 - 2.83
Louisiana-Arkansas..bbl. 2.14 - 2.75
Montana..bbl. 1.97 - 2.775
Oklahoma-Kansas..bbl. 2.23 - 2.65
Pennsylvania, lower field..bbl. 3.40 - —
Upper field..bbl. 2.73 - 3.40
Texas, East..bbl. 2.65 - —
Gulf coast..bbl. 2.38 - 2.95
North, North-Central..bbl. 2.23 - 2.65
Panhandle..bbl. 2.23 - 2.65
West..bbl. 2.10 - 2.65
Wyoming..bbl. 1.97 - 2.65
Ether, laboratory, 30°-60° C, cns., divd. E..gal. 1.50 - —
dms., c.l., group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
35°-60° C, 10-gal. cns., divd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
40°-75° C, 10-gal. cns., divd. E..gal. 1.50 - —
dms., c.l., Group 3..gal. .26 - —
l.c.l., same basis..gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco..gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery..bbl. 2.15 - 2.25
light, tanks, refinery..bbl. 2.35 - 2.45
Eastern, tanks, Albany, N. Y..bbl. 2.30 - —
Baltimore, Md..bbl. 1.90 - —
Boston..bbl. 1.95 - —
Charleston, S. C..bbl. 1.85 - —
Jacksonville, Fla..bbl. 1.80 - —
New York, N. Y..bbl. 1.90 - —
Norfolk, Va..bbl. 1.90 - —
Philadelphia, Pa..bbl. 1.90 - —
Portland, Me..bbl. 1.95 - —
Providence, R. I..bbl. 1.925 - —
Savannah, Ga..bbl. 1.80 - —
Diesel, tanks, refinery, California..gal. .081 - .118
Pennsylvania..gal. .10 - —
Furnace, tanks, refinery, Arkansas, No. 2..gal. .07375- —
No. 3..gal. .07 - —
Bayonne, N. J., No. 2..gal. .083 - —
Group 3, No. 1..gal. .08125- .08625
No. 1, straw..gal. .08125- .08625
No. 2, straw..gal. .0725- .085
range..gal. .0775- .0875
Pennsylvania, No. 1..gal. .1075- .113
No. 2..gal. .10 - .105
No. 3..gal. .10 - —
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore..gal. .158 - —
San Francisco..gal. .152 - —
Seattle, Wash..gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .12125- —
toluol-type, tanks, refinery gal. .11125- .12125
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco..gal. .152 - —
205-295 b.r., tanks, same basis..gal. .152 - —
245-360 b.r., tanks, same basis..gal. .152 - —
305-362 b.r., tanks, same basis..gal. .142 - —
312-400 b.r., tanks, same basis..gal. .142 - —
360-455 b.r., tanks, same basis..gal. .152 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14 - —
Group 3, tanks..gal. .09875- .10625
tankwagon, Baltimore..gal. .175 - —
Boston..gal. .16 - —
Buffalo..gal. .165 - —
Camden, N. J..gal. .15 - —
Chicago..gal. .195 - —
Detroit..gal. .211 - —
Kansas City, Mo..gal. .182 - —
Lancaster, Pa..gal. .16 - —
Newark..gal. .15 - —
New York..gal. .15 - —


# You Get Commercial Chemicals with Laboratory Purity . . .
# *When You Order Hooker Sulfides*

With a maximum iron content of only 8PPM in Hooker Sodium Sulfide and only 5PPM in the Sodium Sulfhydrate you can understand why we are proud of the purity of these Hooker Sulfides. This minute amount of iron is matched by an especially low amount of other impurities in these Hooker products.

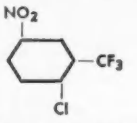
Packaged in the form of small flakes, both products are quickly and completely soluble in water. The clear solution can be used without settling or decanting. For smooth reactions—for good yields without troublesome side reactions from impurities, your safest course is to use Hooker Sulfides.

Advanced manufacturing techniques, carefully controlled operations, carefully selected raw materials account for Hooker's ability to produce these pure sulfides on a commercial basis.

As an added convenience for those who use sodium sulfhydrate in large quantities this chemical is also available in liquid form in tank car quantities. Liquid sodium sulfhydrate is shipped in concentrations of approximately 37% or 45%. Specifications will be furnished upon request.

Technical Data Sheets and samples will be sent to qualified personnel making requests on their business letterheads.

**HOOKER RESEARCH PRESENTS**
**2-CHLORO-5-NITROBENZOTRIFLUORIDE**




Synonym .... 2-chloro-5-nitrotrifluoromethylbenzene
Molecular Weight ..... 225.56
Freezing Point (l.c.p.) ..... 16.8°C
Boiling Point ..... 230.0°C
Refractive Index n20/D ..... 1.5009
Specific Gravity, 25/15.5°C ..... 1.5520

Another new development of Hooker Research in benzotrifluorides is 2-chloro-5-nitrobenzotrifluoride. It is a straw colored, thin, oily liquid. Because this chemical is so new, information available on its uses is limited. Literature does indicate however, its use as an intermediate in the preparation of dyestuffs.

Hooker 2-chloro-5-nitrobenzotrifluoride is at present available in pilot plant quantities.

Those who are interested in investigating the potentials of 2-chloro-5-nitrobenzotrifluoride may obtain samples by writing on their business letterheads. Technical Data sheets giving more complete physical and chemical information are also available.

| DESCRIPTION | ANALYSIS | USES |
|---|---|---|
| **SODIUM SULFIDE $Na_2S$**<br>Mol. Wt. .... 78.1<br>M. P. ..... 100°C<br>Light buff colored solid in flake form. Rapidly soluble in water; slightly soluble in alcohol; insoluble in ether. | $Na_2S$ ..... 60 to 62%<br>NaCl ..... 1.5% Max.<br>Other Na Salts ..... 2.0% Max.<br>Fe ..... 8 ppm Max.<br>Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max.<br>Water of crystallization .. 36.5 to 34.5% | In unhairing hides and wool pulling; desulfurizing viscose rayon; in manufacture of dyestuffs, chemical intermediates, paper pulp, soap and rubber, as an ingredient of dye liquor for textile dyeing; boiling out linen; ore flotation and metal refining.<br>SHIPPING CONTAINERS<br>Steel drums ..... 90 and 350 lbs. net |
| **SODIUM SULFHYDRATE NaSH**<br>(sodium hydrosulfide)<br>Mol. Wt. .... 56.1<br>M. P. ..... 55°C<br>Light lemon colored solid in flake form. Completely and rapidly soluble in water, alcohol and ether. | NaSH ..... 70 to 72%<br>$Na_2S$ ..... 2.5% Max.<br>NaCl ..... 0.8% Max.<br>$Na_2SO_3$ and $NaHCO_3$ ..... 0.4% Max.<br>Fe ..... 5 ppm Max.<br>Cu, Ni, Cr, Mn, Pb ..... 1 ppm Max.<br>Water of crystallization ..... 28 to 26% | In unhairing hides, in desulfurizing viscose rayon; in preparation of dyestuffs and other organic chemicals such as thioamides, thiourea, thioglycolic acid, thio- and dithiobenzoic acids, sodium thiosulfate.<br>SHIPPING CONTAINERS<br>Flake: Lacquer-lined steel drums. .90; 350 lbs. net<br>Liquid: Tank Cars ..... |

*From the Salt of the Earth*

HOOKER ELECTROCHEMICAL COMPANY

1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.
NEW YORK, N. Y. • WILMINGTON, CALIF. • TACOMA, WASH.

HOOKER CHEMICALS

9-407

SODIUM SULFIDE • SODIUM SULFHYDRATE • SODIUM TETRASULFIDE • CAUSTIC SODA • MURIATIC ACID • PARADICHLOROBENZENE • CHLORINE

Petroleum mineral spirits, tankwagon, Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —
Washington, D. C gal. .175 - —

Naphtha, cleaners, California, tanks, San Francisco gal. .123 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 —
Group 3, tanks gal. .10875- .11625
tankwagons, St. Louis gal. .1890- —
Newark gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
New York gal. .15 - —
Philadelphia gal. .15 —
high-flash, 140° F, group 3, refinery-tanks gal. .13 .145
200-285 b.r., 37-38°C, mixed anilin pt., tanks, refinery gal. .20 - .21½
25-26°C, m.a.p., tanks, same basis gal. .21 - .24
270-370 b.r., 78-81°C, m.a.p., tanks, same basis gal. .23½- —
49°C, m.a.p., tanks, same basis gal. .26½- —
26-27°C, m.a.p., tanks, same basis gal. .21 - .24½
300-400 b.r., 28-32°C, m.a.p., tanks, same basis gal. .21 - .27
340-410 b.r., 27°C, m.a.p., tanks, same basis gal. .30½- —
32°C, m.a.p., tanks, same basis gal. .21 - —
36°C, m.a.p., tanks, same basis gal. .21 - —
340-440 b.r., 32°C, m.a.p., tanks, same basis gal. .25½- .27
360-480 b.r., 25°C, m.a.p., tanks, same basis gal. .21 - —

V.M.&P., ref'y., California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks, gal. 15 —
Group 3, tanks gal. .10875- .11625
tankwagon, Boston gal. .175 - —
Chicago gal. .205 - —
Detroit gal. .221 - —
Milwaukee gal. .207 - —
Minneapolis gal. .205 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .199 - —

Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 —
East coast, N. J., N. Y., gal. 15 —
Group 3, tanks gal. .10375- .10675
Stoddard, California, tanks, ex tax, San Francisco gal. .142 - —
East coast, N. J., N. Y., tanks gal. 14 —
Group 3, tanks gal. .09875- .11125
Pennsylvania, western, tanks, gal. .10 —
tankwagon, Boston gal. .16 - —
Chicago gal. .193 - —
Detroit gal. .211 - —
Milwaukee gal. .197 - —
Minneapolis gal. .199 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —

Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .1175- —

Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms lb. 4.00 - 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies lb. .13½- .14
l.c.l., same basis lb. .14¼- .14¾
tanks, same basis lb. .12¼- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .14 - .14¼
l.c.l., same basis lb. .14¾- .15
tanks, same basis lb. .12½- —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .14¼- .15
tanks, same basis lb. .12½- —
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs lb. 1.00 —
smaller lots lb. 1.01 - 1.04
Phenothiazin, NF, fib. dms., 18,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.65
100%, bots lb. 4.00 - 4.15
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.40 - 1.80
Phenylethylphenyl acetate, bots lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots. lb. 3.00 - 3.07
Hydrochloride, CP, bots., works. lb. 5.00 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 - 1.60
Phloroglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 7.00 - 8.00
tech., fib., dms. lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.85 - —
70%-68%, b.p.l., c.l. same basis long ton. 4.25 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.85 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.85 - —
77%-76%, b.p.l., c.l., same basis long ton. 6.85 - —

Phosphate rock, Fla., finely ground, 65% b.p.l., basis 30% $P_2O_5$ minimum short ton. 4.93 - —
68%, b.p.l., basis 31% $P_2O_5$ minimum short ton. 5.28 - —
70%, b.p.l., basis 32% $P_2O_5$ minimum short ton. 5.83 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown, run of mine, unground, 27-26% $P_2O_5$ long ton. 6.46 - —
30-29% $P_2O_5$ long ton. 7.21 - —
Phosphorus, red, amorphous, cs lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 .16
Phthalamide, bbls., works lb. .35 - .40
kgs., works lb. .45 .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald. lb. .22½- —
Pacific Coast, dlvd. lb. .22 - .24¼
l.c.l., frt. equald lb. .23½- —
Pacific Coast, dlvd lb. .24 - .26¼
Pichi leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, USP, bots oz. 8.00 - —

Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .23 - .23½
Pinetar, retort, dms. incl., c.l., works, South gal. .43½- —
l.c.l., same basis gal. .45½- —
whse., N.Y.C. gal. .54¾- —
tanks, works, South gal. .34½- —
Pinkroot, bls lb. 1.90 - 2.10
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 -37.00
Cottonseed, dms., works lb. .08 - .08¼
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 6.90 - —
Soybean, dms., works lb. .06 - .06¼
Plaster of paris (see Gypsum)
Platinum metal, works oz. 72.00 -75.00
Pokeroot, bls lb. .14 - .16
Pleurisy roots, bls lb. .25 - .26
Podophyllin, NF, dms lb. 14.25 - —
Polystyrene, plain colors, dms., 50,000 lbs., frt. alld. lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .34 - .42

Polystyrene, special colors, dms., 50,000 lbs., same basis lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .35 - .50
water-clear, dms., 50,000 lbs., same basis lb. .26 - —
30,000 lbs. to 49,999 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - .35
bg. prices ½c. per lb. lower.
Pomegranate root bark, bgs., futures lb. .70 - .75
Poppy flowers, bls lb .50 .55
Seed, Dutch, bgs lb. .17½- .18
Polish, bgs lb. .15 - .15½
Turkish, bgs lb. .13 - .13½
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works 100 lbs. 9.55 - —
l.c.l., works 100 lbs. 9.75 - —
liquid, dms., c.l., 45%, works. 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815- —
l.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
l.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works. lb. .0755- —
l.c.l. lb. .0830- —




# SOLVENT VAPOR DRYING PROCESS DRIES WOOD IN HOURS WITHOUT DETERIORATING EFFECTS

Heretofore wood has been dried in open air, by steam, or by high temperature air. Open air drying takes 6 to 18 months; steam and high temperature air often result in hydrolysis or burning. Now, one of the country's largest wood preserving plants has developed a Vapor Drying process which safely and effectively dries wood in from *6 to 14 hours!* The drying agent used is *Esso's Solvesso Xylol.*

The drying process begins when a locomotive pushes a charge of crossties, approximately 100 feet long, into a cylinder or drying chamber. At the proper time, vaporized Solvesso Xylol is passed into the drying cylinder. The hot Solvesso Xylol vapor is circulated through the cylinder for a few hours, penetrating many inches into the wood and evaporating much of its moisture.

As "dry cleaning" and moisture evaporation continue, the solvent vapor with its moisture-lignin content leaves the cylinder and is condensed, separating the solvent from the water in the settling tank and returning the Solvesso Xylol to the evaporator to be reused. (see diagram)

## *5 Gallons of Water from One Crosstie*

The amount of water removed from the settling tank determines the relative dryness of the wood being treated. When drying is finished, the Solvesso Xylol lines are closed, the chamber evacuated and the wood is ready for treatment with wood preservative. Water from the settling tank is passed through a meter, which is read periodically to determine wood drying progress. One charge of 800 crossties may be made to give up as many as 4,000 gallons of water—or *5 gallons per crosstie*—in a 12-hour drying period.

## *Esso Solvents Play Vital Role in Scores of Industries*

Rubber, textiles, chemicals, paper, food, leather and scores of other industries are utilizing the many types and grades of solvents manufactured by Esso Standard Oil. Production men know they can rely on Esso Petroleum Solvents' purity and uniformity, maintained through most modern and stringent refinery treatment. If you have a solvents problem, let our technical men examine your requirements and determine the solvent best suited to your needs. Drop a line today to our office nearest you.

## Paper Mill Machinery now Cleaned with Solvesso 100

Solvesso 100 is now being used to clean paper machine screens and felts when they become congested with natural wood pulp gums and resins. Since paper machines are operated at extremely high temperatures, Solvesso 100's high flash point (over 100°F.) makes it ideally suited. In addition, Solvesso 100 has especially high solvency for resins since it contains more than *95% petroleum aromatics.*

Before they were creosoted, the crossties in this picture were dried by a new vapor process employing Solvesso Xylol.

ESSO PETROLEUM SOLVENTS

**SOLD IN** Me., N.H., Vt., Mass., R.I., Conn., N.Y., N. J., Pa., Del., Md., D. C., Va., W. Va., N. C., S.C., Tenn., Ark., La.

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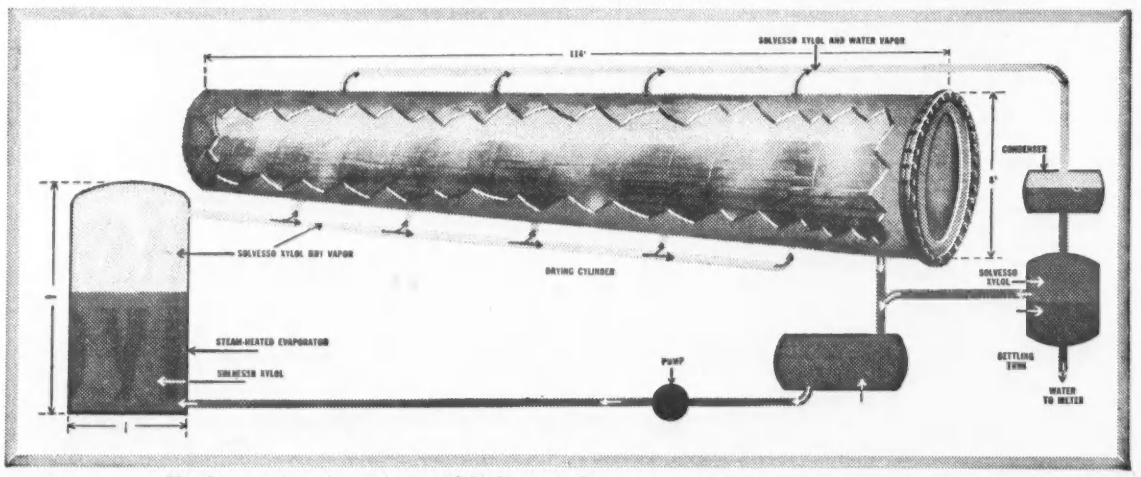


This diagram shows how Solvesso Xylol is being used in new vapor drying process for drying crossties.

## Potassium Abietate—Quinine Sulphate

| | | | |
|---|---|---|---|
| Potassium abietate | lb. | .08 | — |
| Acetate, USP, dms | lb. | .31 | — |
| Bicarbonate, USP, gran., dms. | lb. | .20 | .22 |
| powd., dms | lb. | .22 | .24 |
| Bichromate, contract, bgs., c.l., works | lb. | .12¾ | — |
| l.c.l., contract | lb. | .12⅞ | .13 |
| spot, bgs., c.l. | lb. | .14¼ | — |
| l.c.l. | lb. | .14⅜ | — |
| Potassium bichromate in bbls., ¼c. higher. | | | |
| Bitartrate (see Cream of tartar). | | | |
| Borate, gran., bbls., c.l., works | ton. | 192.00 | — |
| ton lots, works | ton. | 245.50 | — |
| less ton lots, works | ton. | 250.50 | — |
| Bromate, bbls., 1,000 lbs. or more. | lb. | .48 | — |
| 25-200 lbs | lb. | .60 | — |
| Bromide, USP, cryst., gran., bbls., kgs | lb. | .33 | .34 |
| Carbonate, tech., calcined, bbls., c.l., works | lb. | .0780 | — |
| l.c.l., same basis | lb. | .0830 | — |
| hydrated, 83-85%, bbls., c.l., works | lb. | .06¼ | — |
| dms., l.c.l., works | lb. | .06¾ | — |
| USP, gran., bbls., dms | lb. | .16½ | .18 |
| powd., bbls., dms | lb. | .21 | .23 |
| Chromate, tech., bgs | lb. | .25 | .29 |
| Chlorate, cryst., kgs., c.l., works. | lb. | .06½ | — |
| l.c.l., works | lb. | .09¾ | — |
| powd., dms., kgs., c.l., works | lb. | .09 | — |
| l.c.l., works | lb. | .09¾ | — |
| export, kgs., 1 to 10 tons, ex whse | lb. | .12 | — |
| NF, gran., dms | lb. | .31 | .33 |
| Chloride, USP, cryst., dms | lb. | .26 | .27 |
| gran., bbls | lb. | .20 | .22 |
| powd., bbls | lb. | .29 | .32 |
| Potassium citrate, USP, gran., dms. | lb. | .37½ | .42½ |
| Potassium citrate, USP, powd., 3c. per lb. higher. | | | |
| Cyanide, dms., works | lb. | .55 | — |
| Fluoride, dms., works | lb. | .24 | — |
| Glutonate, dms. | lb. | .75 | .79 |
| Glycerophosphate, 75% solution, cbys. | lb. | 2.05 | 2.20 |
| Guiacol sulphonate, NF, dms. | lb. | 1.80 | 1.85 |
| Hydroxide, tech. (see Potash, caustic). | | | |
| USP, pellets, jars | lb. | .33 | — |
| Hypochlorite, liquid, cbys., dms., works 100 lbs. | | 3.50 | — |
| Hypophosphite, NF, 50-lb. lots | lb. | .90 | .93 |
| Iodide, dms. | lb. | 2.10 | 2.12 |
| Manure salt, 22% $K_2O$, bulk, mines unit-ton. | | .20 | — |
| 25% $K_2O$, bulk, mines unit-ton. | | .21 | — |
| Metabisulphite, gran., bbls. | lb. | .21 | — |
| powd., bbls | lb. | .25 | — |
| Muriate, dom., 60% $K_2O$, bulk, Carlsbad, N. M. unit-ton. | | .37½ | — |
| Trona, Cal. unit-ton. | | .45½ | — |
| Nitrate (see Saltpeter). | | | |
| Oxalate, neutral, tech., fine gran., bbls. | lb. | .30 | — |
| Perchlorate, kgs., c.l., works | lb. | .13½ | — |
| dms., l.c.l., works | lb. | .14 | .15 |
| Permanganate, tech., dms., works, | lb. | .21¾ | .22¼ |
| USP, dms., works | lb. | .23½ | — |
| ex whse | lb. | .29 | — |
| Persulphate, dms., c.l., works | lb. | .17 | — |
| l.c.l., works | lb. | .21 | — |
| Phosphate, tetrabasic, bbls., works | lb. | .13 | .13½ |
| Potassium prussiate, red, kgs. | lb. | .60 | .62 |
| yellow, bbls. | lb. | .21 | — |
| kegs | lb. | .26 | — |
| Ricinoleate, tech., bbls. | lb. | .18 | — |
| Silicate, glass, bgs., c.l., works | ton. | 200.00 | — |
| l.c.l. | 100 lbs. | 15.25 | — |
| Solution, 29° Be, ret. dms., c.l., works | 100 lbs. | 4.25 | — |
| l.c.l., 5 or more, works. | 100 lbs. | 5.00 | — |
| 1-4, works | 100 lbs. | 5.50 | — |
| 62° Be, net, dms., c.l., works. | 100 lbs. | 4.75 | — |
| l.c.l., 5 or more, works. | 100 lbs. | 5.50 | — |
| 1-4, works | 100 lbs. | 6.00 | — |
| 40.5° Be, ret. dms., c.l., works. | 100 lbs. | 5.75 | — |
| l.c.l., 5 or more, works. | 100 lbs. | 6.50 | — |
| 1-4, works | 100 lbs. | 7.00 | — |
| Silicofluoride, bbls., works | lb. | .07 | .08 |
| Sulphate, agricultural, dom., bulk, basis 90-95% $K_2SO_4$, min. | | | |
| 90%, works | ton. | 32.50 | — |
| Indust, bulk, works | ton. | 36.00 | — |
| NF, cryst., bbls. | lb. | .31 | .33 |
| gran., dms. | lb. | .14 | .15 |
| Sulphocyanide, cryst., NF (see Potassium thiocyanate). | | | |
| Thiocyanate, cryst., NF, dms. | lb. | .70 | .78 |
| tech., works | lb. | .45 | .50 |
| Titanate, ctns., c.l., works | lb. | .12 | — |
| 5 tons, works | lb. | .12¼ | — |
| 1 ton or less, works | lb. | .12½ | .13 |
| Potassium-magnesium sulphate bulk, min., 40% $K_2SO_4$, 18-50% MgO, works | ton. | 14.50 | — |
| Potassium-sodium ferricyanide, kgs., works | lb. | .50 | .53 |
| Potassium-sodium tartrate (see Rochelle salt). | | | |
| Potassium-titanium fluoride, fib. dms., works | lb. | .45 | .55 |
| Potassium-titanium oxalate, bbls., dms | lb. | .55 | .60 |
| Potassium-zirconium fluoride, fib. dms., c.l., works | lb. | .50 | — |
| l.c.l., works | lb. | .52½ | .55 |
| Prickly ash bark, bls. | lb. | .25 | .27 |
| Berries, bgs. | lb. | No stocks. | |
| Prince's pine herb, bls. | lb. | .54 | .60 |
| Procaine hydrochloride, USP, cns., 200-lb. lots | lb. | 4.00 | 4.75 |
| smaller lots | lb. | 4.25 | 5.75 |
| Progesterone, USP, 100 gms. | gm. | 3.75 | — |
| Propane, commercial grade, cans., group 3 | gal. | .03½ | — |
| Propionaldehyde, dms., c.l., works | lb. | .28½ | — |
| l.c.l., works | lb. | .29½ | — |
| tanks, works | lb. | .25 | — |
| Propylaldehyde (see Propionaldehyde) | | | |
| Parahydroxybenzoate, USP, dms | lb. | 2.30 | 2.40 |
| Propylene dichloride, dms., c.l. | lb. | .03½ | — |
| l.c.l. | lb. | .09½ | — |
| smaller containers | lb. | .12½ | — |
| tanks | lb. | .07 | — |
| Oxide, dms., c.l., frt. alld. E | lb. | .20½ | — |
| l.c.l., frt. alld. E | lb. | .21½ | — |
| tanks, frt equald. E | lb. | .15½ | — |
| Propyleneglycol NF dms., c.l., frt. alld. E | lb. | .17½ | — |
| l.c.l., same basis | lb. | .18½ | — |
| tanks, same basis | lb. | .16 | — |
| tech., dms., c.l., frt. alld. E | lb. | .16½ | — |
| l.c.l., same basis | lb. | .17½ | — |
| tanks, same basis | lb. | .15 | — |
| Propyleneglycol methylether, dms., c.l., frt. equald. | lb. | .18 | — |
| l.c.l., same basis | lb. | .18½ | — |
| tanks, same basis | lb. | .16½ | — |
| Propylthiouracil, bots., works | kilo. | 55.00 | — |
| Psyllium seed, black, bgs | lb. | .25 | .26 |
| blonde, bgs | lb. | .21 | .26 |
| husks, bgs | lb. | .55 | .65 |
| Pulsatilla herb, bls. | lb. | .55 | .60 |
| Pumice, dom., grd., course, 0, 1, 1½, 2, 3, bgs., ton lots. | lb. | .03½ | .04 |
| Chicago, bgs., ton lots | lb. | .04½ | — |
| smaller lots | lb. | .03½ | .04¼ |
| fine, bgs., ton lots | lb. | .03½ | — |
| smaller lots | lb. | .03¾ | .04 |
| Italian, silk-screen, fine, bgs., ton lots | lb. | .04 | — |
| coarse, bgs., ton | lb. | .05½ | — |
| sun dried, fine, bgs., ton lots | lb. | .03 | — |
| coarse, bgs., ton lots | lb. | .04½ | — |
| Pumice in bbls is ½c. per lb. higher. | | | |
| Pumpkin seed, bgs | lb. | .25 | .26 |
| Purple lake (see Red). | | | |
| Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works | lb. | 8.50 | 9.50 |
| liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works | gal. | 6.75 | 7.25 |
| regular base, dms., works, | gal. | 6.65 | 7.15 |
| (30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works | gal. | 9.95 | 10.65 |
| regular base, dms., works. | gal. | 9.83 | 10.52 |
| Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works | lb. | .26 | .27½ |
| powder, 1.3% pyrethrins, bbls., works | lb. | .37½ | .39½ |
| Pyridin, denaturing ret. dms., works and frt. equald | gal. | 2.49 | 2.73 |
| refd., 2° non-ret. dms., c.l., same basis | lb. | .79 | .80 |
| l.c.l., same basis | lb. | .79½ | .80 |
| ret. dms., l.c.l., same basis | lb. | .69 | .80 |
| Pyridoxin hydrochloride, 100-gram lots | gram. | .55 | — |
| Pyrites, Spanish, c.i.f. Atl ports. | long-ton | 8.00 | — |
| Pyrocatchin (see Catechol). | | | |
| Pyrophyllite, standard, 200 mesh, bulk, c.l., mines | ton. | 11.00 | 11.50 |
| 230 mesh bulk, c.l., mines | ton. | 12.00 | — |
| 325 mesh, bulk, c.l., mines | ton. | 15.00 | — |
| No. 3, 200 mesh bulk, c.l., mines. | ton | 9.50 | — |
| insecticide grade, 200 mesh, bulk, c.l., mines | ton. | 9.00 | 10.00 |
| rubber grade, 140 mesh, bulk, c.l., mines | ton. | 7.00 | — |
| Pyrophyllite in paper bgs., $3 to $3.50 per ton extra. | | | |
| Pyroxylin scrap, opaque, amber, cs., works | lb. | .17 | — |
| black, cs., works | lb. | .14 | — |
| gray, cs., works | lb. | .14 | — |
| mixed, mottled, cs., works | lb. | .12 | — |
| white, china, ivory, cs., works. | lb. | .17 | — |
| dense, cs., works | lb. | .17 | — |
| translucent, pastels, cs., works. | lb. | .17 | — |
| transparent, colorless, cs., works | lb. | .19 | — |
| colors, cs., works | lb. | .17 | — |
| shavings, opaque, amber, cs., works. | cs., works | lb. | .15 — |
| mixed, colors, cs., works | lb. | .14 | — |
| white, cs., works | lb | .17 | — |
| USP, bots., dlvd | lb. | 9.54 | — |

## Q

| | | | |
|---|---|---|---|
| Quassia chips, bls. | lb. | .08 | .09 |
| Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra | lb. | .17½ | Nom. |
| liq., 35% tannin, bbls., works. | lb. | .09 | — |
| tanks, same basis | lb. | .08¼ | — |
| solid, 64% tannin, bgs., c.l., duty extra | lb. | .11½ | — |
| powd., 70% tannin, bgs., c.l., same basis | lb. | .18 | Nom. |
| ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis. | lb. | .10¾ | — |
| Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton. | | | |
| Queen of the meadow root, bgs. | lb. | .12 | .13 |
| Quercitron crystals, bbls., l.c.l. | lb. | .33½ | — |
| Extract, liquid, bbls., l.c.l. | lb. | .14½ | — |
| solid, bxs. | lb. | .28 | — |
| Quicksilver, flasks (76 lbs.) net. | flask. | 83.00 | 86.00 |
| Quince seed, bgs. | lb. | .95 | 1.75 |
| Quinindine, NF, V, cryst., cns. | oz. | 2.10 | — |
| powd., precip., cns. | oz. | 2.05 | — |
| Sulphate, USP, cns. | oz. | 1.35 | — |
| Quinine, NF, cns., 100 ozs. | oz. | 1.00 | — |
| Bisulphate, USP, cns., 100 ozs. | oz. | .73 | — |
| Dihydrochloride, USP. | oz. | 1.00 | — |
| Quinine ethylcarbonate, NF, cns., 100 ozs. | oz. | 1.07 | — |
| Hydrobromide, NF, cns., 50-oz. cns | oz. | .91 | — |
| Hydrochloride, USP, cns., 100 ozs. | oz. | .91 | — |
| Hypophosphite, cns., 100 ozs. | oz. | 1.35 | — |
| Phosphate, NF, cns., 100 ozs. | oz. | 1.10 | — |
| Salicylate, NF, ctns., 100 ozs. | oz. | .95 | — |
| Sulphate, USP, cns., 100 ozs. | oz. | .80½ | — |

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What's the real test, the final proof, of the worth of any product or service? To the user of industrial solvents, the answer lies in the measure of operating efficiency, economy, and quality of final product his solvents are bringing about.

In many cases, the degree of purity, uniformity, close boiling ranges, and freedom from foreign tastes and odors largely determine how smoothly, how efficiently, how successfully, and how economically a plant is operating. And, in case after case where this is true, users are switching to SKELLYSOLVE . . . because they are seeing how SKELLYSOLVE is helping countless other plants save money and produce better products.

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And, should you ever desire competent counsel on production problems, or should unusual trouble suddenly develop, you will quickly see what it means to have available the skill and experience of trained SKELLYSOLVE Technical Fieldmen.

Do as more and more industrial solvent users are doing every day—line up with dependable, *proved* SKELLYSOLVE, made by the pioneer of large scale production of hexane, heptane, and octane type naphthas from natural gas. Get the full SKELLYSOLVE story now, contact us today.

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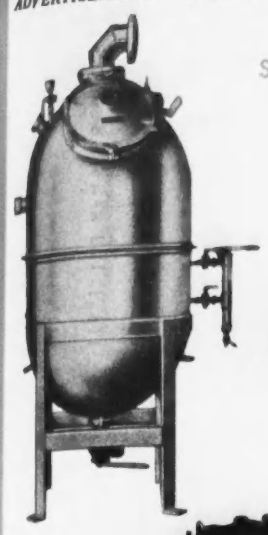
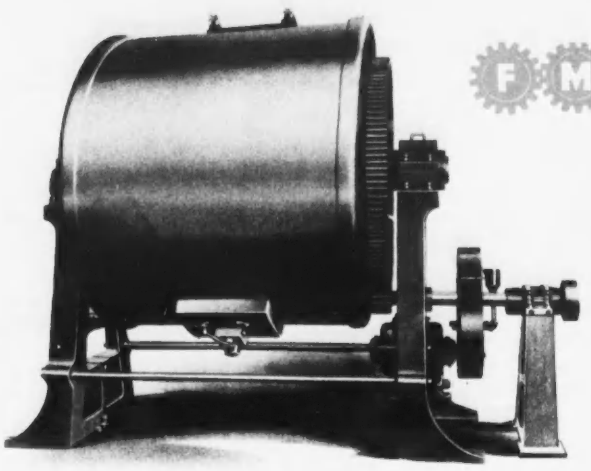
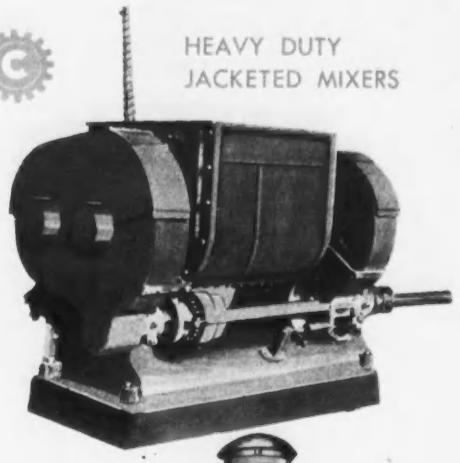


STAINLESS VACUUM PANS, KETTLES, TANKS



PEBBLE and BALL MILLS



HEAVY DUTY JACKETED MIXERS

STAINLESS PAN DRYERS

# SELECTED OFFERINGS from your FIRST Source for GOOD EQUIPMENT

8 Vacuum Shelf Dryers and Impregnating Chambers from Lab. size to Double Door Production units.

24 Koch Electric Ovens single and double Door complete with all accessories; new condition.

8 Single and Double Drum Atmospheric Dryers, from 2′ x 3′ to 5′ x 12′

1 Bartlett & Snow Stainless Vac. Pan Dryer: 7′ 10″ x 2′ 11″.

1 Buflovak Nickel Rotary Vac. Dryer, 3′ x 5′.

2 Struthers Wells Stainless Atmospheric Drum Dryers, 5′ x 4′ and 5′ x 10′.

4 Apron Type conveyor Dryers by Procter & Schwartz, Sargent others; up to 72′; single and multiple pass.

6 Truck and Tray Dryers, steam or electrically heated, several sizes.

4 Louisville Steam Tube Dryers: 3′ x 20′; 4′ 6″ x 25′; 6′ x 25′ and 5′ 6″ x 30′.

5 Hess and Hersey Dryers up to 23′.

1 Brand New Girdler Votator in stainless; 2 cylinder, 4″.

Bird Stainless Steel 40″ Centrifuge suspended with perforate basket, and 2 speed Motor 7½-30 H.P.

Battery of 6 Sugar Centrifugals 30″ with engine.

3 Monel and Stainless 30″ Stainless Centrifugal Extractors.

10 New Autoclaves, 270 gal. jacketed; 2400 PSI with quick opening heads.

1 New Triple Effect Long Tube Copper Evaporator, 3100 sq. ft. Total number of tubes 336.

1 Bird Continuous Centrifugal Filter, 36″ x 50″.

8 Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper tinned, cast iron with heresite lining and steel accessories included.

1 Buffalo Stainless Extractor, single, effect, 7′ 13″, 900 sq. ft. forced circulation, ext. calandria type.

4 Ploudler Glass Lined Vacuum Kettles, 500 gal., 2,500 gal. Jktd. or Unjktd. with agitators.

1 General Electric Turbo Generator 375 KVA complete.

15 Autoclaves and Reactors in Cast Iron, Steel, Stainless some with agitators and jackets.

3 Dopp 250 gal. Jacketed Kettles.

1 Dopplay 700 Gal. Jacketed and Agitated Pressure Kettles.

1 Aluminum 1300 Gal. Jacketed and agitated Still.

50 Shriver and Sperry Filter Presses, all sizes.

Sweetland Filters, Nos. 10 and 12.

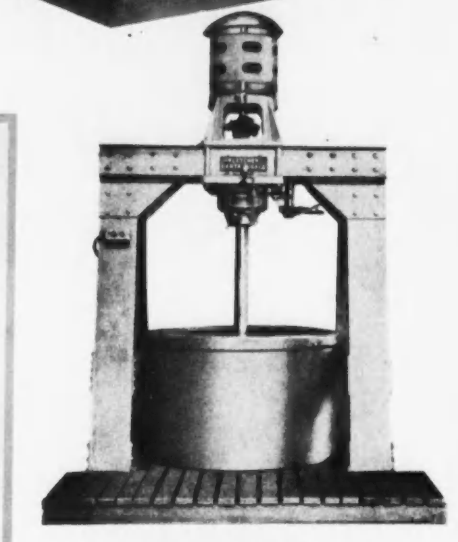
12 Oliver, Feinc, Kelly Filters from Lab. size 11′ 6″ to 18′; specifications on request.

4 Louisville Dewatering Presses, Model 3A.

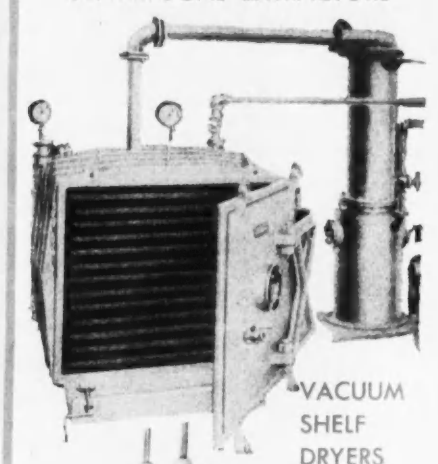
30 Colloid Mills, Homogenizers, Viscolizers by Premier, Eppenbach, Manton Gaulin, Marco Flowmaster, Cherry Burrell, Union, Charlotte from ½ HP up to 50 HP.

## FIRST MACHINERY CORP.

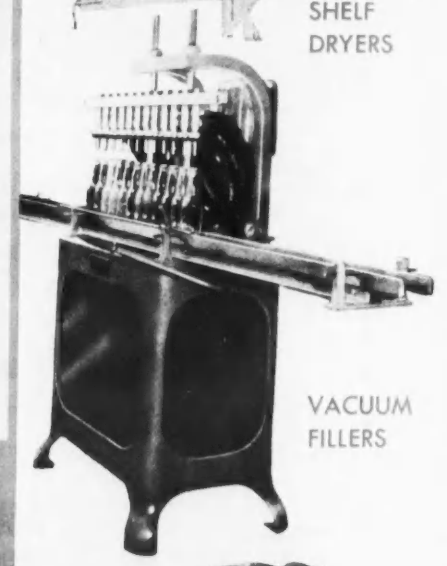
157 HUDSON ST. WORTH 4-5900 NEW YORK 13, N. Y.



CENTRIFUGAL EXTRACTORS

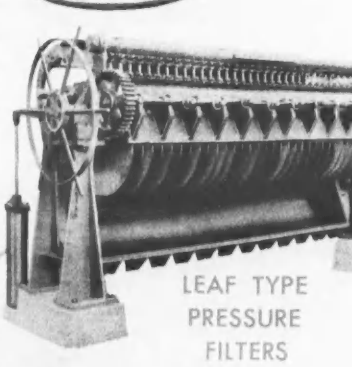


VACUUM SHELF DRYERS



VACUUM FILLERS

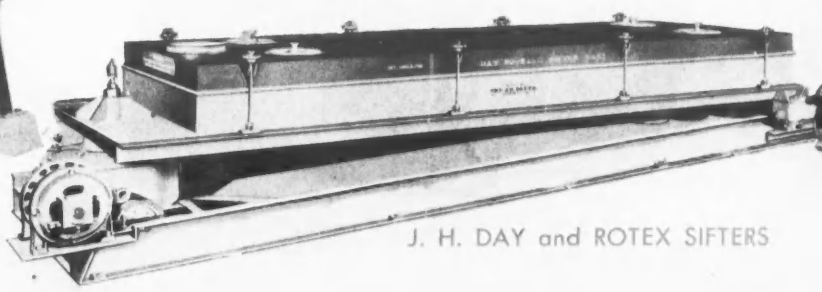
RIBBON TYPE DRY MIXERS



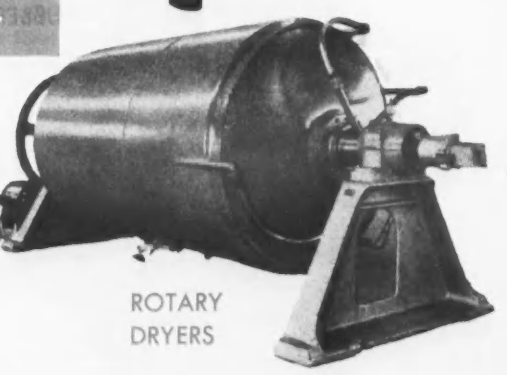
TABLET PRESSES and PREFORMERS



LEAF TYPE PRESSURE FILTERS

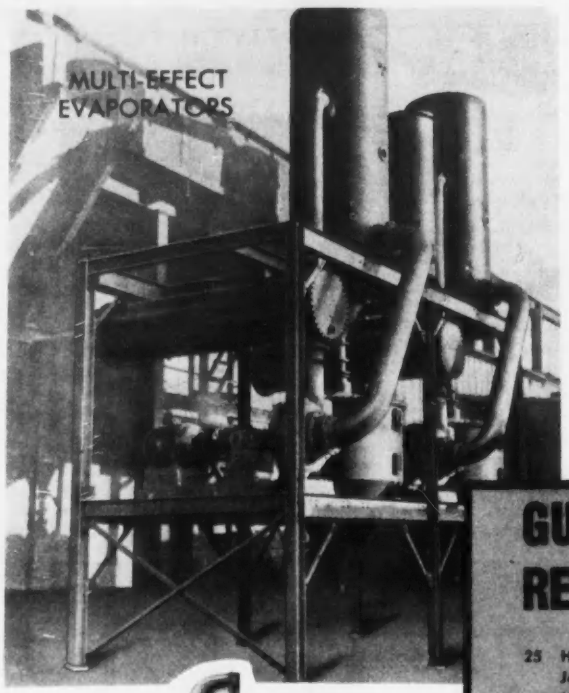


J. H. DAY and ROTEX SIFTERS



ROTARY DRYERS

*ADVERTISEMENT — This entire page is paid advertisement.*



STAINLESS
LANCASTER MIXERS

STAINLESS
DRUM DRYERS

# GUARANTEED PROCESS EQUIPMENT READY FOR IMMEDIATE SHIPMENT

25 Hammermills & Grinders by Williams, Jeffrey, Gruendler, Stedman, Raymond, Mikro, others.

4 Mikro Pulverizers, Bantam to No. 4's with motors.

15 Fitzpatrick Comminutors, Model D, in stainless.

6 Tube and Rod Mills up to 21'.

5 Continuous Ball Mills, 3' x 3' up to Hardinge Conical Mill, 8' x 30".

7 Pebble and Ball Mills, 24" x 30", 36" x 36", 36" x 48", 6' x 5' and 6' x 8'.

10 Roller Mills Lab. size to 16" x 40", standard makes.

3 Lancaster type EBG4 Counter Current Stainless Batch Mixers.

3 Frigidaire Freon 5 Ton Air Conditioning Units complete.

1 Readco Stainless Double Arm Mixer, 142 Gal. with 20 HP motor.

50 Heavy Duty Horizontal Jktd. Mixers, with double arms, sigma or naben; geared both ends, tilting; 100 gals. working.

3 Baker-Perkins Jacketed Mixers, 10 gal. 50 gal., and 75 gal.

8 New and Rebuilt Tumbling Type Dry Mixers by Patterson, Mactellan, Gemco and others; all sizes.

10 J. H. Day Re-Ball Sifters No. 82, two separations, screen size 40" x 120", with 3 HP motors.

6 Tyler Hummer Screens, multiple separations, state size and type.

40 Tablet Machines and Preforming Presses by Stokes, Colton and Kux up to 50 ton; state requirements; single punch and rotary models.

14 Rubber Mills by Farrel-Birmingham, Thropp, Erie and others from 24" to 84" some with motors and accessories.

4 Royle and National Extruders up to No. 4.

Large Stock of Packaging Equipment including:

Dry Powder Fillers by Stokes & Smith, Triangle, Pneumatic, Carter, Whiz, semi and fully automatic.

Labelling equipment by World, Ermold, Pneumatic, Standard Knapp, Burt . . . for all types of containers.

Automatic Gluers, Sealers, Cartoners, Wrappers, etc.

Liquid Fillers of every type; tube and jar Fillers, Closers in all standard makes.

COMPLETE PLANTS FOR SALE: ready to operate; for

Potassium Chlorate
Rubber and Plastics
Brake Lining
Soaps—Detergents
Chemicals & Acids
Oil Extraction
Brewery—Distillery
Shoe Polishes
Vegetables—Fruits
Preserves—Juices
Latex Dipping

Send for Special Bulletin of Industry Listed above.

## FIRST MACHINERY CORP.

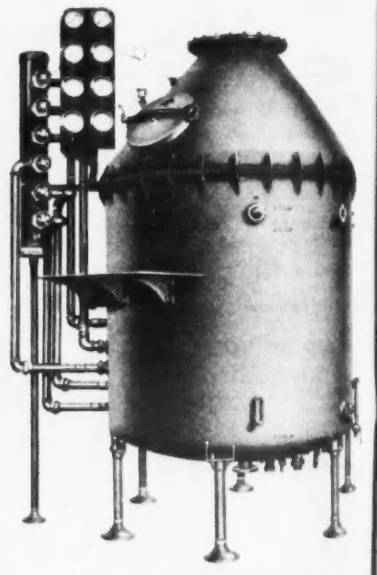
157 HUDSON ST. WORTH 4-5900 NEW YORK 13, N. Y.

ROTARY
SYPHON
FILLERS

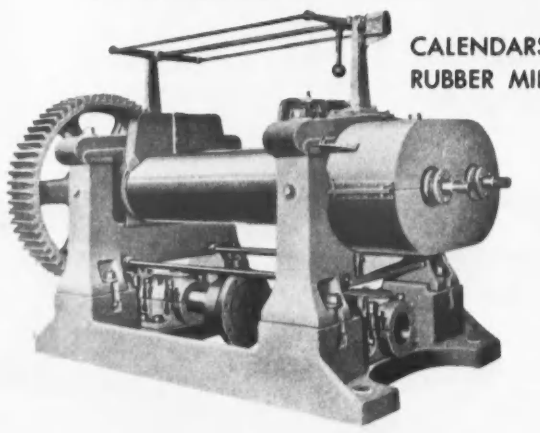
FITZPATRICK COMMINUTORS

ROLLER MILLS

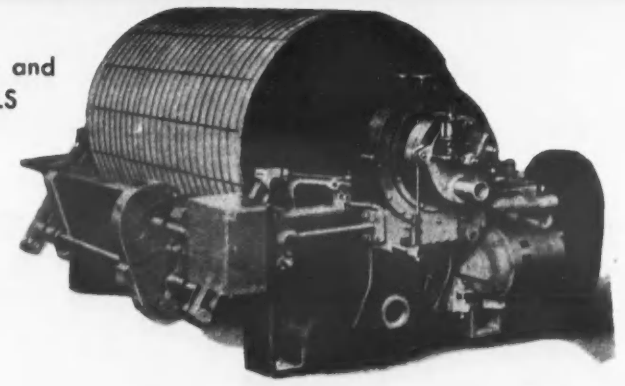
FILTER PRESSES



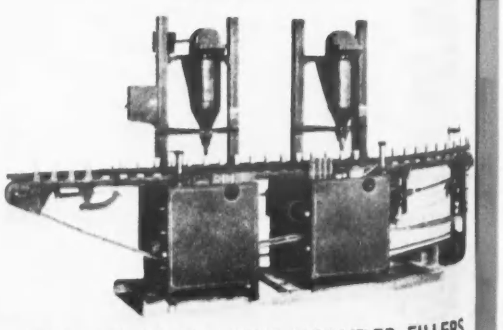
PFAUDLER GLASS LINED
VACUUM PANS



CALENDARS and
RUBBER MILLS



ROTARY VACUUM FILTERS



SEMI-and AUTOMATIC POWDER FILLERS

Quinine-urea hydrochloride, NF, cns oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾ - .54½
l.c.l., same basis lb. .51¼ - .55
tanks lb. .50 - .51

## R

R salt, paste, dry basis, dms. lb .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 - 2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.), El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 —
light shade, bbls., same basis, lb. 1.20 —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, ogs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11½ - .11¾
Iron oxide, synth., bgs lb. .11½ - .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼ - .09¼
special, high color, all shades lb. 1.00 —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 —
Maroon, alizarin lake, 25%, kgs., works lb. .40 .43
toner, bbls., works lb. 1.35 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb 2.02 - —
Metallic, bbls., works lb. .02½ - .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾ .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb .95 1.05
concentrated alizarin lake, kgs., works lb. 80 —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 —
Pink lake alizarin, bbls., works lb. .20 .25
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½ - .05¾
l.c.l., ex dock lb .05¾ - .06
ex whse., New York lb. .06½ - —
grade 2, bbls., c.l., ex dock lb. .05¼ - .05½
l.c.l., ex dock lb. .05½ - .05¾
ex whse., New York lb. .06¼ —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½ - —
Tuscan, bbls., frt. equald lb. .24½ - .25
Venetian, 15%, bgs., works lb. .0350 - —
20%, bgs., works lb. .0360 - —
25%, bgs., works lb. .0410 - —
30%, bgs., works lb. .0440 - —
35%, bgs., works lb. .0465 - —
40%, bgs., works lb. .0490 - —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, cns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 2.19
Red saunders wood, grd., bbls lb. .35 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.50 - —
powd., dms., works lb. 2.00 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhantany root, bgs lb. .10 - .12
Rhubarb root, whole, cs lb. .75 - .95
powd., bbls lb. .50 - 1.05
Riboflavin, USP, bots kilo. 125.00 - —
Readily soluble, bots kilo. 175.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs lb. .28½ - —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .23 - .24
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls. lb. .12 - .12½
Portuguese, bls lb. .06½ - .07
Spanish, bls lb. .08 - .08½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.65 - —
G, H, I, dms., c.l., works 100 lbs. 5.70 - —
K, dms., c.l., works 100 lbs. 5.70 - —
M, dms., c.l., works 100 lbs. 5.70 - —
N, dms., c.l., works 100 lbs. 5.75 - —
WG, dms., c.l., works 100 lbs. 5.85 - —
WW, dms., c.l., works 100 lbs. 5.95 - —
X, dms., c.l., works 100 lbs. 6.05 - —
Rotenone, C.P., bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Wood, B, dms., c.l., works 100 lbs. 4.50 - —
FF, dms., c.l., works 100 lbs. 6.50 - —
Rue herb, bls lb. .40 .45
Rutin, 10 kilos, fib. dms gram .12 - —
5 kilos, fib. dms gram .13 - —
smaller lots, fib. dms gram .13½ - —

## S

Sabadilla seed, powd., bbls lb. .30 - —
activated ground with lime, bbls lb. .26 - .27
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls lb. .90 - 1.00
Saffron, Mexican, bls lb. 1.20 - 1.35
Spanish, USP, tins lb. 19.00 - 22.50
Safrol, dms lb. .68 - .75

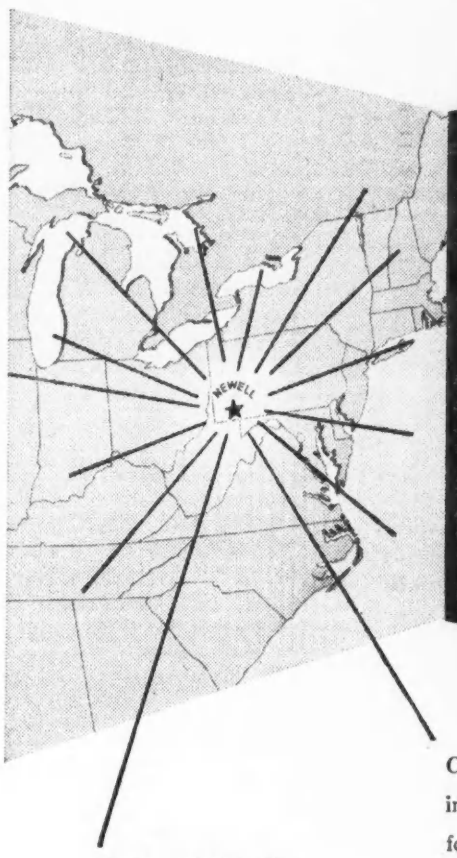
Sage, cyprus, bgs lb. .08 - .09
Dalmatian, bls lb. .22 - .22½
Greek, fancy, bls lb. .13½ - .14
Spanish, bls lb. .13½ - .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .07½ - .08
Saligenin, etns., works lb. 14.00 - 25.00
Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 1.32
USP, dms lb. .21 - —
Saltcake, dom., bulk, dlvd ton. 24.00 - 26.00
Saltpeter cryst., obls., 10 tons. 100 lbs. 13.90 —
smaller lots 100 lbs. 14.15 - 14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 - 11.00
powd., bbls., 20 tons 100 lbs. 10.25 —
smaller lots 100 lbs. 11.50 - 12.00
NF, gran., dms lb. .15¾ - .17¾
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate bots oz. 4.75 5.50
Santonin, NF, cryst., powd., cns kilo. 190.00 - 200.00
Saponin No. 1, cns lb. 2.45 —
Sarsaparilla root, dom., bls lb. .40 .45
Honduras, bls. lb. .40 - .45
Mexican, bls lb. .24 - .30
Sassafras bark, ord., bls lb. .30 .31
select, bls lb. .60 .65
Savory, French, bls lb. .20 .20½
Spanish, bls lb. .14 .14½
Saw palmetto berries, bgs. lb. .23 .24
Scammony resin, lump, cns lb. 2.10 2.25
powd., cns lb. 2.20 2.30
Root, bgs lb. .11 - .13
Schaeffer's salt, bgs. lb .60 - .67
Scopolamine hydrobromide (see Hyoscine hydrobromide).
Seidlitz mixture, bbls., 5,000 lbs. lb. .25¾ - —
smaller lots lb. .26¼ - —
kegs, 5,000 lbs lb. .26¼ - —
smaller lots lb. .26¾ - —
Selenium, powd., cns., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 —
Senega root, bls lb. 1.50 - 1.53
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .11 - .14
Pods, bls lb. .12 - .13
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls lb. 2.25 - 2.50
Sesame seed, Brazil, bgs., afloat lb. .16½ - .17
Chinese, white, nat., bgs lb. .13 - .13½
hulled, bgs. lb. .20 - .21
Nicaragua, hulled lb. .26 - .27
Salvadorean lb. .14½ - .15
Turkish, yellow lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .65½ - —
bbls., 1,500-lb. lots lb. .66 - —
kgs., 1,500-lb. lots lb. .68 - —
refined, bgs., 1,500-lb. lots lb. .75½ - —
bbls., 1,500-lb. lots lb. .76 - —
kgs., 1,500-lb. lots lb. .78 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .70 - .71
No. 2, bgs lb. .67 - .68
Superfine, bgs., 10 bgs lb. .64 - .65
TN, bgs., 10 bgs lb. .61 - .62
Shellac in 1 to 9 bgs., 1c. more

### Quinine-Urea Hydrochloride—Snakeroot

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 - 30.00
l.c.l., works ton. 25.00 - 40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½ - —
l.c.l., works lb. .18½ - .20¼
Silver bullion, ingots, cs oz. .71½ - —
Cyanide, fib. dms., 2,500-oz. lots, oz. .65¾ - —
1,000-oz. lots oz. .65¾ - —
500-oz. lots oz. .65¾ - —
100-oz. lots oz. .66¼ - —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .45¾ - —
1,000-oz. lots oz. .46½ - —
500-oz. lots oz. .47¼ - —
250-oz. lots oz. .48 - —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .93 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls. lb. .85 Nom.
Skullcap herb, Eastern, bls lb. .75 - .80
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton. 11.00 - 12.00
l.c.l., ex whse ton. 20.00 - 60.00
Sloe berries, bgs lb. .33 - .40
Smalt, black, etns lb. .11 - —
Blue, etns lb. .16 - —
Snakeroot, Canada, bls lb. .43 - .45


**To Serve**

***the East and the Great Lakes Areas . . .***




# Announcing
## GENERAL CHEMICAL'S NEW NITRIC ACID FACILITIES at Newell, Pennsylvania

**Grades and Strengths**

**Diamond Grade**
36° Baume (52.3% $HNO_3$)
38° Baume (56.5% $HNO_3$)
40° Baume (61.4% $HNO_3$)
42° Baume (67.2% $HNO_3$)

**Nitric Acid 95%-97%**

**Nitric Acid—Photo-engraver's Grade**
(same strengths as Diamond Grade)

**Also: MIXED ACID**
**SULFURIC ACID**

Once again, General Chemical expands production to serve industrial requirements. This time, extensive new facilities for Nitric Acid have been added to our Newell (Pa.) Works. For your operations in the East and Great Lakes areas, take advantage of the extra convenience and service these new facilities provide you.

Long a major source of sulfuric acid in this area, Newell Works is also in a position to supply ample stocks of mixed acid . . . in varying proportions to meet your requirements.

BASIC CHEMICALS
FOR AMERICAN INDUSTRY
50 YEARS OF SERVICE

*Acids*
*Alums*
*Sodium Compounds*
*Phosphates*
*Reagents*
*Fine Chemicals*
*Fluorine Derivatives*
*Other Heavy Chemicals*

**GENERAL CHEMICAL DIVISION**
ALLIED CHEMICAL & DYE CORPORATION
**40 Rector Street, New York 6, N. Y.**

*Offices:* Albany • Atlanta • Baltimore • Birmingham • Boston • Bridgeport • Buffalo • Charlotte • Chicago • Cleveland • Denver • Detroit • Houston • Kansas City • Los Angeles • Minneapolis • New York • Philadelphia • Pittsburgh • Portland (Ore.) Providence • San Francisco • Seattle • St. Louis • Wenatchee and Yakima (Wash.)

In Wisconsin: General Chemical Company, Inc., Milwaukee, Wis.

**In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver**


V 151 18 MAY 2 1949 XUM

## Soapbark—Toluidin Base

Soapbark, bls..... lb. .19 - .20
crushed, bbls., bbls..... lb. .26 - .27
cut, foreign, bbls..... lb. .27 - .29
powd., bbls..... lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points....100 lbs. 2.75 - 4.52
bbls., c.l., works.....100 lbs. 2.00 - —
l.c.l., stock points....100 lbs. 3.25 - 5.02
bulk, c.l., works.....100 lbs. 1.25 - —
light, 53%, paper bgs., c.l., works..100 lbs. 1.40 - —
l.c.l., stock points....100 lbs. 2.65 - 4.42
bbls., c.l., works.....100 lbs. 1.90 - —
l.c.l., stock points....100 lbs. 3.15 - 4.92
bulk, c.l., works.....100 lbs. 1.15 - —
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., stock points....100 lbs. 4.80 - 6.67
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis.....100 lbs. 2.40 - 2.50
70%, sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., stock points....100 lbs. 4.40 - 6.27
Sal, bgs., c.l., ex car....100 lbs. 1.55 - —
l.c.l., bgs., ex whse....100 lbs. 1.75 - —
Soda-lime, USP, dms..... lb. .23 - .25
Sodium acetate, anhyd., dms., works lb. .10 - .11¼
NF, cryst., bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.30 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 - —
Aluminate, 20,000 lbs., or more bgs 100 lbs. 8.50 - —
under 20,000 lbs., works.100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd lb. .32 - —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
Arsenite, 75%, dealers, dms., works lb. .13¼ - .14¼
solution, dms., works.....gal. .70 - 1.00
l.c.l., works lb. .11¾ - .11⅞
Benzoate, tech., bbls., 2 tons lb. .39 - —
smaller lots lb. .40 - .41
USP, dms., 2 tons lb. .46 - —
smaller lots lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works.....100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works..... 100 lbs. 2.60 - —
Bichromate, contract, bgs., c.l., works lb. .10 - —
l.c.l., works..... lb. .10¼ - .10¼
spot, c.l., bgs..... lb. .10½ - —
l.c.l., bgs..... lb. .11¼ - —
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis..... lb. .13½ - —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 - —
dms., c.l., works.....100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.90 - —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.50 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works lb. .33 - .34
Cacodylate, NF, bots., dms lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
USP monohydrate, dms lb. .05¾ - .06½
Chlorate, cryst., dms., c.l., works. lb. .07½ - —
l.c.l., works..... lb. .07¾ - .08¼
powd., kgs., works. lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works lb. .75 - —
Chromate, bbls., dms., c.l., works. lb. .11⅜ - —
Citrate, USP, VIII, bbls..... lb. .21½ - —
dms..... lb. .22½ - .26½
USP XIII, gran., bbls..... lb. .28 - —
dms..... lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms lb. .17 - .17½
Diacetate, 33-35% acidity, bbls., works lb. .11½ - .12½
anhydrous, dms, works lb. .14 - .15
Fluoride, white, 98%, bbls., c.l., works lb. .10½ - —
l.c.l., works lb. .10¾ - —
95%, bbls., c.l., works lb. .10¾ - —
l.c.l., works lb. .11 - —
Fluoroacetate, 8-oz. tins, 50 to a case, lb., works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
One oz. tins, 16 to 64 to case, works lb.16.50 -21.00
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 - —
Gluconate, dms..... lb. .83 - .85
Glutamate, monobasic, kgs. lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls., lb. 1.65 - 1.80
powder, bbls..... lb. 1.70 - 1.85
solution, 75%, cbys..... lb. 1.00 - 1.15
50%, cbys. lb. .82 - —
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .23 - —
l.c.l., frt. alld..... lb. .23½ - .24
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms..... lb. .23 - —
Hypophosphite, NF, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald. 100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
pea cryst., bgs., metro area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 - 2.83
Lactate, edible, 50%, dms., c.l., works lb. .18 - —
l.c.l., dms., works lb. .18¾ - —
tech., 50%, dms., c.l., works lb. .12½ - .15
l.c.l., dms., works lb. .13 - .15¾
Metaborate, octa-hydrate, gran., bgs., c.l., works ton.73.00 - —
l.c.l., works ton.118.00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works..... lb. .18½ - —
Metanilate, bgs..... lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works..100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.35 - 4.60
bbls., c.l., works.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.75 - 5.00
Sodium molybdate, anhyd., works lb. .51½ - .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works .....100 lbs. 2.45 - —
Naphthionate, bbls..... lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works..ton.48.50 - —
bulk, c.l., works ....lb.45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse..ton.54.50 - —
bulk, c.l., same basis..ton.51.00 - —
USP, dms..... lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ - —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd..... 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½ - —
Pentachlorophenate, briquets, bgs., works, frt. equald lb. .21½ - —
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .24
Perborate, USP, tech., bbls., c.l., works lb. .18¾ - —
l.c.l., works lb. .19¼ - —
Peroxide, dms., c.l., dlvd. E. or Miss lb. .16 - —
smaller lots, same basis lb. .19 - —
Phenolsulphonate, USP IX, gran., dms lb. .33 - .34
powd., dms. lb. .36 - .37
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works .....100 lbs. 7.25 - 7.50
cryst., bgs., c.l., works, 100 lbs. 3.35 - 3.50
l.c.l., works.....100 lbs. 3.75 - 3.90
USP, dried, powd., dms., works lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs.10.00 - —
l.c.l., works ..... 100 lbs.12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Prussiate, yellow, bgs ..... lb. .12½ - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.00 - —
l.c.l. same basis 100 lbs.10.50 -10.75
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
l.c.l. .....100 lbs. 7.40 - —
Ricinoleate, tech., bbls..... lb. No stocks.
Salicylate, USP, dms..... lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works.....100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1. 100 lbs. 3.70 - 4.10
zone 2..... 100 lbs. 3.96 - 4.36
zone 3..... 100 lbs. 4.25 - 4.65
zone 4..... 100 lbs. 4.96 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 - 5.65
Silicate, 40°, turb'd., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ..... ton.16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks, works ..... ton.32.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .05½ - .06
Stannate, dms., works, frt. alld. E. lb. .58 - .633
Stearate, tech., bbls., works lb. .40 - —
USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½ - —
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works ..... 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.. lb. .15 - .15½
Sulphide, flake, bbls., c.l., works. frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., same basis....100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd. bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works.100 lbs. 3.60 - —
l.c.l., works ..... 100 lbs. 4.00 - —
bbls., c.l., works..... 100 lbs. 4.00 - —
l.c.l., works ..... 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works ..... 100 lbs. 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls..... lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l ..lb. .05¾ - —
l.c.l., works ..... lb. .06¼ - —
liquid, 45%, basis 100%, tanks, works ton.95.00 - —
Thiocyanate, CP, dms..... lb. .55 - .65
tech., dms., works..... lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12
Titanate, ctns., c.l., works..... lb. .10 - —
5 tons, works lb. .10¼ - —
1 ton or less, works ..... lb. .10½ - .13¼
Tripolyphosphate, bgs., c.l., works, frt. equald lb. 7.50 - —
l.c.l. ..... lb. 8.00 - —
Tungstate, tech., kgs., works lb. 1.20 - 1.25
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 - .24½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works. lb. .16½ - —
l.c.l., works..... lb. .17½ - .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works .. lb. .28 - —
less 1,000 lbs., same basis ..lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
petroleum, 100°F. flash, tanks, Baytown, Tex gal. .25 - —
150°F, flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works..... lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼ - —
ton lots, works..... lb. .24¼ - —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½ - —
ton lots, works lb. .17¾ - —
less ton lots, works lb. .18½ - —
tanks, works ..... lb. .15¾ - —
Soybean meal, 41% bulk, Decatur. ton.59.00 -60.00
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works lb. .20¼ - —
smaller lots, works lb. .20½ - .24
mechanically refined, bgs., 40,000 lbs., works lb. .0575 - —
20,000 lbs., works lb. .0590 - —
smaller lots, works lb. .0605 - —
Sparteine sulphate, cns..... oz. 2.95 - —
Spikenard root, bls. ..... lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works. lb. .05¼ - —
Squaw vine, leaves, bls ..... lb. .35 - .40
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls ..... lb. .08 - .10
powd., bbls., bxs..... lb. .14 - .18
St. Ignatius beans, bgs..... lb. No stocks.
St. John's bread, edible, bls..... lb. .17 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works ..... lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.29 - —
Chicago ..... 100 lbs. 4.67 - —
l.c.l. ..... 100 lbs. 5.44 - —
powd., paper bgs., c.l.....100 lbs. 5.40 - —
Chicago ..... 100 lbs. 4.78 - —
l.c.l. ..... 100 lbs. 5.60 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l..... lb. .0580 - .0613
l.c.l. ..... lb. .07½ - —
Rice, bgs ..... lb. .10½ - .10¾
Sweetpotato, bgs., c.l..... lb. No stocks.
Wheat, bgs ..... lb. .0593 - .0608
Stavesacre seed, bgs..... lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. ..... lb. .35 - .38
Stoneroot, bls..... lb. .07½ - .08
Storax, USP, cs..... lb. 1.50 - 1.60
Stramonium leaves, bgs..... lb. .18 - .23
Seed, bgs ..... lb. .20 - .21
Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials..... gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls..... lb. .15½ - .16⅛
Chloride, tech., bbls ..... lb. .22 - .24
Chromate, bgs., frt. equald .. lb. .43½ - .44
Iodide, jars, 25 lbs ..... lb. 3.60 - —
Nitrate, bbls., c.l., works ..... lb. .09¼ - —
l.c.l., works ..... lb. .10¼ - —
Oxalate, bbls., works..... lb. .42 - .44
Salicylate, NF, dms ..... lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, NF, bots ..... oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.00 - 2.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs ..... oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots..... lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb10.25 -10.75
Sulphadiazin sodium, USP, dms., works lb.11.25 -11.75
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
Sulphamerazin, sodium, USP, dms., works lb.11.25 -11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb.20.00 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 4.00
Sulphathiazole sodium, USP, dms., works lb. 3.50 - 4.00
Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works ..... 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.69 - —
l.c.l., works..... 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works ..... 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works.100 lbs. 2.80 - —
l.c.l., works ..... 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works. 100 lbs. 3.25 - —
l.c.l., works ..... 100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works ....100 lbs. 2.40 - —
l.c.l., works ..... 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works ..100 lbs. 2.70 - —
l.c.l., works ..... 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., bgs., works 100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works. lb. .03¼ - —
l.c.l., works ..... lb. .04¼ - —
10-gal. dms., l.c.l., works..... lb. .08¼ - —
Dioxide, liquid, com'l, cyls., works lb. .10 - —
multi-unit cars, works ... lb. .055 - —
tanks, works..... lb. .0465 - —
refrigeration, cyls., l.c.l., wks. lb. .16 - —
Sumac bark, 28%, grd., bgs., ex dock ton.85.00 - —
Extract, No. 1, bbls ..... lb. .10½ - —
No. 2, bbls..... lb. .09 - —
crystals, bbls. ..... lb. .40 - —
stainless, bbls. ..... lb. .14½ - —
Leaves, 30%, bgs., ex dock...ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls..... lb. 1.50 - 1.70

## T

Talc, dom., ordinary, grd., c.l., New York, works ton.21.00 - —
l.c.l., works..... ton.22.50 -24.50
Calif., bgs., c.l., works ... ton.22.00 -30.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
88.95-99.95%, grd., bgs., c.l., works ton.21.00 - —
l.c.l., works ton.24.50 - —
98-99.5%, grd., bgs., c.l., works ton.23.00 -28.00
l.c.l., works..... ton.27.00 -32.00
imp., Canada, grd., bgs., c.l ton.35.00 - 45.00
Tallow, inedible, extra, loose, dlvd. lb. .05¾ - —
fancy, loose, dlvd ..... lb. .06 - —
special loose, dlvd..... lb. .05½ - —
sulphonated, 25°c. dms..... lb. .06½ - —
50°c. dms. lb. .08 - .08½
Tamarinds, bbls ..... lb. .10 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago ..... unit-ton. 8.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls. ..... lb. .20 - .30
Tapioca flour, high grade, bgs... lb. .10½ - .11
medium grades, bgs ..... lb. .09½ - .09¾
low, bgs ..... lb. .07 - —
Java, bgs ..... lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., works, frt. equald gal. .46 - —
l.c.l., works ..... gal. .49 - —
tanks, works ..... lb. .38 - —
25-28%, dms., c.l., works.. gal. .53 - —
l.c.l., works..... gal. .56 - —
tanks, works..... gal. .45 - —
Tar coal (see Coaltar).
Pine (see Pinctar).
Tara pods, bgs., c.l., ex docs U. S. ports, long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. ..... lb. .45 - .50
Leaves, bgs ..... lb. .85 - .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l. lb. .24½ - —
l.c.l. ..... lb. .25 - .25½
NF, cryst., bbls., dms..... lb. .90 - .95
powd., bbls., dms ..... lb. .95 - 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South..... lb. .13½ - —
l.c.l., South ..... lb. .14 - —
tanks, South ..... lb. .13 - —
prime, dms ..... lb. .35 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½ - —
l.c.l., works ..... lb. .20 - —
tanks, works ..... lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .63 - 1.03
prime, cns., dms ..... lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 6.00 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
l.c.l., works..... lb. .52 - —
tanks ..... lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs..... lb. 5.25 - —
Salicylate, fib. dms..... lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms..... lb. 3.15 - 3.50
Theophylline, USP, bots., kgs.... lb. 7.50 - 7.65
Thiamine hydrochloride, USP, dms., 100 grams kilo.160.00 - —
Thiocarbanilide, dms..... lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works..... lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works ..... lb. .44 - —
Thorium nitrate, cs., works ..... lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs ..... lb. .16½ - .17
futures, bgs ..... lb. .14¾ - .15
Spanish, bls ..... lb. .09½ - .10
Thymol, USP, kgs..... lb. 3.65 - 3.75
Iodide, NF, dms. ..... lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .88 - .89
Crystals, hydrous, bgs., ons., works lb. .71½ - —
Metal, Bolivian ..... lb. 1.03 - —
Straits ..... lb. 1.03 - —
Oxide, bbls. ..... lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .19½ - —
l.c.l., dlvd ..... lb. .20 - .20¼
plain, bgs., c.l., dlvd..... lb. .19½ - —
l.c.l., dlvd..... lb. .20 - .20¼
rutile, natural, granular, bgs., c.l., works lb. .06¼ - —
l.c.l., works..... lb. .06½ - —
milled, bgs., c.l., works.... lb. .06½ - —
l.c.l., works..... lb. .06¾ - —
nonchalking, bgs., c.l., dlvd. E. lb. .21½ - —
l.c.l., dlvd. E..... lb. .22 - .22½
Hydride, cns., works ..... lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd. lb. .07½ - .07¾
l.c.l., dlvd..... lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55-gal. dms lb. .54½ - .55
smaller, pkgs., works ..... lb. .65 - 1.23
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works..... lb. .40 - 1.00
Tolu balsam, cns ..... lb. 2.40 - 2.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)

Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa. gal. .24½- —
Birmingham, Ala. gal. .23¼- —
Chicago district gal. .26½- —
Cleveland district gal. .26 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Philadelphia, Pa gal. .27 - —
Pittsburgh district gal. .27 - —
Sparrows Point, Md gal. .24½- —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .23½- —
Terre Haute Ind. gal. .28 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .23½ .25
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Buffalo, N. Y. gal. .28 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill gal. .27 - —
Tonga, 50% bark and vine, bls. lb. .80 .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs. lb. .85 - 90
Toxaphene, dms., works, c.l. lb. .24 - —
truckloads, works lb. .24 - —
ton to truckloads, works lb. .27 - —
less than tons, works lb. .30 - —
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .38½- .43
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. allo lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., wks. lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
alld., zone 1 lb. .10½- —
Trichloroethylene, tanks, c.l., frt.
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
zone 4 lb. .11½- —
Trichloroethylene dm., c.l., prices ½c. higher l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho Mont (W) Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., divd lb. .38 - —
l.c.l., divd lb. .38½- —
tanks, divd lb. .37 - —
petroleum, dms., c.l., divd lb. .38 - —
l.c.l., divd lb. .38½- —
tanks, divd lb. .36½- .37
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethyl citrate, dms lb. .34 .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .36 - —
l.c.l., works, basis 100% lb. .38½- .39
tanks, works, basis 100% lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0173- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works kilo. 207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs, works lb. 2.85 - —
Tumeric root, Alleppey, bls lb. .29 - .29½
Haitian lb. .10 - .10¼
Madras, bgs. lb. .20 - .21
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .50 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .24 - —
Tyrothricin, bots. gram 1.15 - 1.25

## U

Urethane, USP, dms lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.53 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 103.00 - —
paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 98.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 107.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton. 125.00 - —
C and D grades, same basis. ton. 123.50 - —
Uva ursi leaves, bls lb. .11 - .12

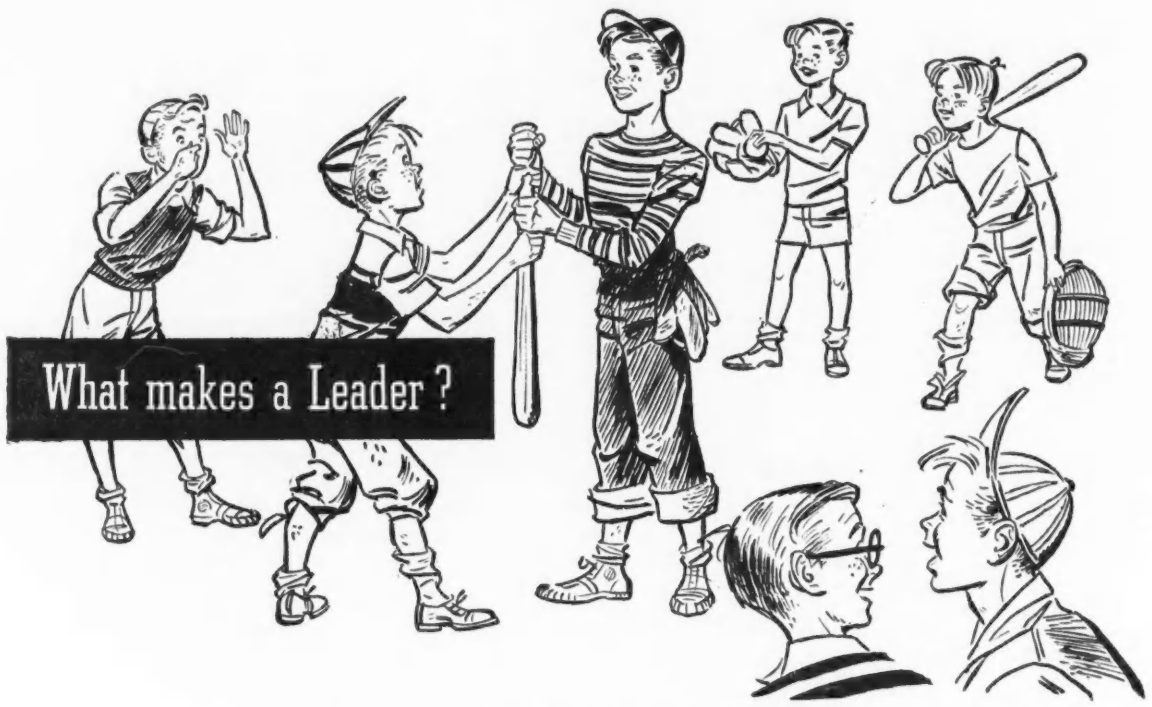
## V

Valerian root, Belgian, NF, bls lb. .37 - .42
Indian, bls. lb. .32 - .34
Valine, dextro-laevo, dms., works lb. 22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton. 90.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.20 - —
Vanilla beans, Bourbon, tins lb. 4.25 - 4.75
Mexican, cuts, tins lb. 4.25 - 5.00
whole, tins lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units. mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units. mill. units. .035 - —
Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm., 1,000,000 units. .47 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .50 - —
750,000 to 1,000,000 A units per gm., same basis, 1,000,000 units. .51 - —
Vitamin A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm. 1,000,000 units. .44 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .47 - —
A, natural, alcohol, bots., cns., dms., lots of 750,000 to 1,000,000 A units per gm., same basis 1,000,000 units. .48 - —
A, natural, concentrates, (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm., 1,000,000 units. .55 - —
A, synthetic, palmitate, 800,000 A units per gm., 1,000,000 units. .55 - —
Vitamins, A concentrate (see Oil, fishliver).
$B_1$ (see Thiamine hydrochloride).
$B_2$ (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin $B_6$ (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
$D_2$ (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).



## W

Wahoo root bark, bls. lb. 1.80 - 1.85
Tree bark, bls lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 83.00 - —
merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½- —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09½- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09½- .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. .52 - .55
Bees, bleached, USP, white, bricks, cs lb. .68 - .69
slabs, bgs. lb. .66 - .67
crude, African, bgs lb. .48 - .49
western hemisphere, bgs lb. .52 - .53
refined, yellow, bricks, cs lb. .59 - .60
slabs, bgs. lb. .57 - .58
Candelilla, crude lb. .45 - .48
refined, bgs. lb. .50 - .53
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .68 - .70
North Country, No. 2, ton lots, lots lb. .80 - .82
No. 3, crude, bgs., ton lots lb. .77 - .79
refined, bgs., ton lots lb. .82 - .83
yellow, No. 1, bgs., ton lots lb. 1.04 - 1.06
No. 2 lb. 1.02 - 1.04
Powdered carnauba price differentials same as powdered candelilla.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Nytron • Sodium Bicarbonate • Specialty Cleansers
Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene
Ortho-dichlorobenzene • Monochlorobenzene • Methanol
Ammonium Chloride • Formaldehyde

## Wax, Ceresin—Zirconium Sulphate

Wax, ceresin, dms., 132°-136° m.p., bgs lb. .16 - .16½
138°-140° m.p., bgs lb. .18 - .18½
158°-162° m.p., bgs lb. .22 - .23
Japan, bgs lb. .75 Nom.
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
Black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs., same basis lb. .13½ - —
White, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½ - —
Less than 20,000 lbs., same basis lb. .15½ - —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
Black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
White, ctns., 20,000 lbs., same basis lb. .33½ - —
Less than 20,000 lbs., same basis lb. .34½ - —
Montan, crude, dom., drums lb. .33 - .34
imported, drums lb. .28 - .30
Ouricury, crude, bgs., ton lots lb. No stocks.
refined, bgs., ton lots lb. .78 - .80
Ozokerite, fabricated, black, 110-190 m.p., bgs lb. .31 - —
182-183 m.p., bgs lb. .29 - —
171-172 m.p., bgs lb. .27 - —
white, 178-183 m.p., bgs lb. .26 - .27
170-172 m.p., bgs lb. .22 - .23
yellow, 180-190 m.p., bgs lb. .25 - .26
182-183 m.p., bgs lb. .20 - .21
178-183 m.p., bgs lb. .21 - .21½
170-172 m.p., bgs lb. .18 - .19
Spermaceti, blocks, cs lb. .33 - .34
cake, cs lb. .34 - .35
White lead (see Lead, white)
White pine bark, rossed, bls lb. .17 .20
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works ton.11.00 - —
40 tons, N. Y. whse ton.19.00 - —
smaller lots, St. Louis, works ton.13.50 —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l ton.14.50 -27.50
200 mesh, bgs., c.l ton. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton.14.50 —
gilders, bgs., c.l ton. No prices.
putty grade, bgs., c.l ton.13.00 —
surface treated, bgs., c.l., Ohio works ton.30.00 —
Paris white, bgs., c.l. ton.25.00 -31.00
l.c.l. ton.25.00 -29.00
Precipitated, bgs., c.l ton.18.00 -20.00
l.c.l. ton.22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .15 - .16
rossed, bls lb. .17 - .18
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .15 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs lb. .15 - .16
Levant, bgs lb. 4.15 - 4.25
Wormwood, leaves, bls lb. .40 - .45

## X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. alld lb. .21¾ - —
l.c.l., same basis lb. .22¼ - —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, ret. dms., c.l., same basis gal. 1.41 - —
l.c.l., same basis gal. 1.44 - —
tanks, same basis gal. 1.30 - —
Xylidins, mixed, dms lb. .45 .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. .23¼ - —
Chicago district gal. .26½ - —
Cleveland district gal. .26 - —
Dangerfield, Tex gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md gal. .26 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .23½ - —
Terre Haute, Ind gal. .28 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .23½ .25
Petroleum, industrial, 10°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Buffalo, N. Y. gal. .28 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½ - —
Wood River, Ill gal. .27 - —

## Y

Yara, yara, cns lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms lb. .44 - .46
90 B units, per gram, 100 lb. dms lb. .49 - .51
200 B units, per gram, 100 lb. dms lb. .53 - .55
800 B units, per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis St. Paul lb. .32 —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Yellow, benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .32 - —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb 1.90 2.10
Iron oxide natural, bgs., c.l., works lb. .0141- 0250
l.c.l., works lb. .0166- 0275
French type, bgs., c.l lb. .04½- —
l.c.l. lb. .04¾ —
Peruvian type bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works lb .09 —
l.c.l. works lb .09¼ —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .24½- —
Yellow dock root, bls lb. .23 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .30 - .35
Yohimbine hydrochloride vls oz. 3.25 4.00

## Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. .47 —
NF dms lb. .42 —
Arsenite, bgs., c.l., frt. alld. E of Rockies lb. No stocks.
l.c.l., same basis lb. No stocks.
Borate, bgs., c.l., ship't, pt., frt. alld. E lb. .13½- .17
frt. alld. Pac. Coast lb. .16½- .19
l.c.l., ship't, pt., frt. alld. E lb. .14 - .17½
frt. alld. Pac. Coast lb. .18¼- .20¾
Carbonate, tech., rubber makers, bbls., works lb. .10¾- —
precip., powd., dms lb. 26 - —
Purified precip., dms lb. 37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 8.00 - —
l.c.l., works 100 lbs. 8.40 - —
gran., bbls., c.l., works 100 lbs. 8.75 - —
l.c.l., works 100 lbs. 9.15 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.55 - —
l.c.l., works 100 lbs. 5.15 - —
tanks, works 100 lbs. 3.90 - —
NF, gran., dms lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .41¼- —
Diethyldithiocarbamate, dms., wks. lb. 1.00 - —
Dust, bbls., c.l., works lb. .15¾- .17¾
l.c.l., works lb. .16¾- .18¾
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .18¾ - —
l.c.l. lb. .19¼- —
Iodide, NF, jars lb. 4.85 —
Laurate, bbls lb. .45 .46
Linoleate, solid, 9½%, bbls lb. .51½- —
Metal slabs, E. St. Louis lb. .12½- —
Naphthenate, liquid, 8% Zn., frt. alld lb. .21¼- .21¾
10% Zn. dms., frt. alld lb. .26 - .26½
Oleate, bbls lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
leaded, 5%, bgs., c.l.ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
35%, bgs., c.l., ship't point, frt. alld lb. .14¼- —
l.c.l., works lb. .14½- —
50%, bgs., c.l., ship't point, frt. alld lb. .14⅝- —
l.c.l., works lb. .14⅞- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .15¾- —
l.c.l., works lb. .16 - —
green seal, bgs., c.l., ship't point, frt. alld lb. .15¼- —
l.c.l., works lb. .15½- —
red seal, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., works lb. .15 - —
white seal, bgs., c.l., ship't point, frt. alld. lb. .15¾- —
l.c.l., works lb. .16 —
USP, ctns., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., same basis lb. .17 - —
Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF gran., bbls., dms lb. .28 - .29
powd., bbls. lb. .31 - .32
Resinate, fused, 1% Zn., dms., frt. alld lb. .20 - —
precip., dms., frt. alld lb. .23 - —
Silicofluoride, bbls., works lb. .10 - .10½
Stearate, tech., USP, ctns., 2,000 lbs. lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, cryst., 22% Zn. bgs., c.l., works, frt. alld 100 lbs. 5.25 - 6.00
l.c.l., same basis 100 lbs. 5.65 - 6.40
flake, 25½%, Zn. bgs., c.l., works. 100 lbs. 6.25 - —
l.c.l., works 100 lbs. 6.45 - —
powd., 36% Zn. bgs., c.l., dlvd., same basis 100 lbs. 8.50 - —
l.c.l., same basis 100 lbs. 8.90 - —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms lb. .22 - .22½
Sulphide, pure, bgs., c.l., frt. alld. lb. .12¼- —
l.c.l., works lb. .12½- —
Barium pigment, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., works lb. .08 - —
Calcium, pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., works lb. .08 - —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., dlvd. lb. .08 - —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.50 - —
l.c.l., bgs., works 100 lbs. 7.90 - —
Zinc-cadmium sulphide, fluorescent, ens., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .23 - .23½
normal, dms., works lb. .43 - .45
Zircon (see Zirconium silicate).
Zirconium acetate, solution, bbls., works lb. .25½- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, ens., works lb. 7.00 - —
Nitrate, dms., works lb. 1.75 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., works lb. .44 - —
5 tons, works lb. .44½- —
1 ton or less, works lb. .45 - .48
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½- —
1 ton or less, works lb. .60 - .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works. lb. .03¼- .03¾
10 tons, works lb. .03½- .04
5 tons, works lb. .04 - —
1 ton or less, works lb. .04¼- .04¾
milled, bgs., c.l., works lb. .04¾- —
5 tons, works lb. .05¼- —
1 ton or less works lb. .05¾- .06¾
refined, bgs., c.l., works lb. .11 - —
5 tons, works lb. .11½- —
1 ton or less, works lb. .12 - .16
Sulphate, cryst., ctns., c.l., works lb. .37½- —
5 tons, works lb. .38 - —
1 ton or less, works lb. .38½- .39

# Synthetic Resins and Branded Paint Materials
## (Manufacturers' List Prices)

### A

ABALYN (see Methyl abietate in Current Market Quotations).
ALKYDOL resins, S-49, ret. dms., c.l., dlvd., zone 1 lb. .42 - —
l.c.l., same basis lb. .43 - —
S-1004-A, ret. dms., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .17¾- —
S-1061-B, ret. dms., c.l., same basis lb. .22¾- —
l.c.l., same basis lb. .23¼- —
S-1061-C, ret. dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
S-1069-A, ret. dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14½- —
S-1071, ret. dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14½- —
S-1072, ret. dms., c.l., same basis lb. .13½- —
l.c.l., same basis lb. .14 - —
S-1079, ret. dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —
S-1103, ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
S-1107, ret. dms., c.l., same basis lb. .30½- —
l.c.l., same basis lb. .31 - —
S-1112-B, ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
S-1112-C, ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
S-1116-A, ret. dms., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
S-1117, ret. dms., c.l., same basis lb. .31 - —
l.c.l., same basis lb. .32 - —
S-1123, ret. dms., c.l., same basis lb. .22½- —
l.c.l., same basis lb. .23 - —
S-1134-A, ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
S-1139, ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
S-1147, ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
S-1149, ret. dms., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25 - —
S-1159, ret. dms., c.l., same basis lb. .17¼- —
l.c.l., same basis lb. .17¾- —
S-1161, ret. dms., c.l., same basis lb. .43½- —
l.c.l., same basis lb. .44½- —
S-2008, ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
S-2009-C, ret. dms., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
S-2038, ret. dms., c.l., same basis lb. .21½- —
l.c.l., same basis lb. .22 - —
S-2050, ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
Tankcar prices, 1c. per lb. below c.l. quotations. Charge for 55-gal. dms., $6 each.
AROCLORS, distilled, dms., c.l., works lb. .17 - —
ton lots, works lb. .17½- —
single dms., works lb. .18 - —
undistilled, dms., c.l., works lb. .15½- —
ton lots, works lb. .16 - —
single dms., works lb. .16½- —

### B

BAKELITE resins, BR-254, dms., 36,000 lbs., dlvd. lb. .42 - —
l.c.l. same basis lb. .42¼- .43
2175, dms., 36,000 lbs., same basis lb. .39½- —
l.c.l., same basis lb. .39¾- .40½
3360, dms., 36,000 lbs., same basis lb. .40 - —
l.c.l., same basis lb. .40¼- .41
4036, dms., 36,000 lbs., same basis lb. .40 - —
l.c.l., same basis lb. .40¼- .41
9367, dms., 36,000 lbs., same basis lb. .26 - —
l.c.l., same basis lb. .26¼- .27
9400, dms., 36,000 lbs., same basis lb. .34 - —
l.c.l., same basis lb. .34¼- .35
9432, dms., 36,000 lbs., same basis lb. .33 - —
l.c.l., same basis lb. .33¼- .34
10282, dms., 36,000 lbs., same basis lb. .34½- —
l.c.l., same basis lb. .34¾- .35½
11544, dms., 36,000 lbs., same basis lb. .26½- —
l.c.l., same basis lb. .26¾- .27½
BAKELITE resins, BR-14634, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
15775, dms., 36,000 lbs., same basis lb. .26 - —
l.c.l., same basis lb. .26¼- .27
17620, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
17920, dms., 36,000 lbs., same basis lb. .49 - —
l.c.l., same basis lb. .49¼- .50
BV-1600, dms., 36,000 lbs., same basis lb. .31½- —
l.c.l., same basis lb. .31¾- .32½
9700-S, dms., 36,000 lbs., same basis lb. .25 - —
l.c.l., same basis lb. .25¼- .26
10673, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
BK-3962, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
16624, dms., 36,000 lbs., same basis lb. .29½- —
l.c.l., same basis lb. .29¾- .30½
XR-3180, dms., 36,000 lbs., same basis lb. .70 - —
l.c.l., same basis lb. .70¼- .71
4357, dms., 36,000 lbs., same basis lb. .72 - —
l.c.l., same basis lb. .72¼- .73
BJ-15408, dms., 36,000 lbs., same basis lb. .36 - —
l.c.l., same basis lb. .36¼- .37
Shipments are made to delivery point of carrier nearest buyer's point of destination within the United States, as specified on buyer's order. Method of delivery at seller's option.
BECKACITE resins, 1100, dms., incl., c.l., dlvd. zone 1 and 2 lb. .19 - —
l.c.l., same basis lb. .19½- —
1102, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1106, dms. incl., c.l., same basis lb. .18½- —
l.c.l. same basis lb. .19 - —
1110, dms. incl., c.l., same basis lb. .18½- —
l.c.l. same basis lb. .19 - —
1111, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1112, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1113, dms. incl., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
1114, dms. incl., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
1116, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1120, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1123, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1124, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
1126, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.
BECKAMINE resins, P-138, dms. incl., c.l., dlvd. zones 1 and 2 lb. .26 - —
l.c.l., same basis lb. .26½- —
P-196, dms. incl., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
*P-196, dms. incl., c.l., same basis, lb. .26 - —
l.c.l., same basis lb. .26½- —
*P-342, dms. incl., c.l., same basis, lb. .68½- —
l.c.l., same basis lb. .69 - —
P-354, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
P-364-A, dms. incl., c.l., same basis, lb. .13¼- —
l.c.l., same basis lb. .13¾- —
P-426, dms. incl., c.l., same basis lb. .69 - —
l.c.l., same basis lb. .69½- —
P-463, dms. incl., c.l., same basis lb. .17¾- —
l.c.l., same basis lb. .18¼- —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.
*Tankcar quantities not available.
BECKOLIN resins, 17 dark, dms., incl., c.l., dlvd., zones 1 and 2 lb. .23 - —
l.c.l., same basis lb. .23½- —
27 light, dms. incl, c.l., same basis lb. .25 - —
l.c.l. same basis lb. .25½- —
P-500, dms. incl., c.l., same basis, lb. .15 - —
l.c.l., same basis lb. .15½- —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.
BECKOPOL resin, 1400, dms. incl., c.l., dlvd., zones 1 and 2 lb. .25½- —
l.c.l., same basis lb. .26 - —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.
BECKOSOL resins, semi-solid, 7-85, 85% solids content, dms. incl., c.l., dlvd., zones 1 and 2 lb. .28 - —
l.c.l., same basis lb. .28½- —
31-85, 85% solids content, dms., incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
70-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
96-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
Solid, 1, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
3, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
7, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
8, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —

BECKOSOL resins, solid, 13, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
18, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
19, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
23, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
24, 100% solids content, dms. incl., c.l., same basis lb. .48 - —
l.c.l., same basis lb. .49 - —
31, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
34, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
40, 100% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .29 - —
70, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —
96, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
P-531, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —
Solution, 1, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1303, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL, dms., incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL-HV, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 Lt., dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
1308, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1313 EL, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
1313 Lt, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1316, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1319, dms. incl., c.l., same basis. lb. .24 - —
l.c.l., same basis lb. .24½- —
1320, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1323 EL, dms., incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .22½- —
1323 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1325, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —
1326, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —
1331-60 EL, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1331-60 Lt., dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1334 EL, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1334 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1337, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
1338, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1340, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
1341, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1940, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1941, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1945, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-27, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-271, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
P-296, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-322, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-323, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-366, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-372, dms. incl., c.l., same basis. lb. .25 - —
l.c.l., same basis lb. .25½- —
P-376, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-381, dms. incl., c.l., same basis. lb. .29 - —
l.c.l., same basis lb. .29½- —
P-421, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-430, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-443, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-450, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-470, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
P-470-60, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
P-471, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-505, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-524, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-525, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-526, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
P-527, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-528, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —

BECKOSOL resins, solution, P-529, dms., incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
P-531, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-546, dms. incl., c.l., same basis. lb. .16½- —
l.c.l., same basis lb. .17 - —
P-584, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-593, dms incl., c.l., same basis. lb. .14 - —
l.c.l., same basis lb. .14½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. Semi-solids and solids are not available in tankcar quantities. For solutions in tankcars, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. per lb. to the l.c.l. listing on liquid materials and 3c. per lb. on solid resins.

BEETLE, 212-9, dms., c.l., frt. alld. E lb. .39 - —
l.c.l., same basis lb. .39½- —
216-8, c.l., frt. alld lb. .29 - —
l.c.l., same basis lb. .29½- —
219-8, c.l., frt. alld lb. .24½- —
l.c.l., same basis lb. .25 - —
227-8, c.l., frt. alld lb. .24½- —
l.c.l., same basis lb. .25 - —
230-8, c.l., frt. alld lb. .32¼- —
l.c.l., same basis lb. .32½- —
592-8, c.l., frt. alld lb. .28¼- —
l.c.l., same basis lb. .28¾- —

Tankcar shipments, where applicable, are priced 1c. per lb below c.l. quotations.

## C

CELLOLYN 102, non-ret dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
103, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —
95, c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
T-501, c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

CUMAR resins AX, viscous, net weight lb. .07½- —
CX, solid, gross weight lb. .07 - —
EX, dark, solid, color 17-22, gross weight lb. .06 - —
light, solid, color 12-16, gross weight lb. .06½- —
FX, solid, gross weight lb. .07 - —
MH 1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
2½ and 3, solid, net weight lb. .11½- —
9, solid, net weight lb. .10 - —
P-10*, viscous, net weight lb. .12 - —
P-25*, viscous, net weight lb. .12 - —
RH, solid, net weight lb. .12 - —
S, solid, gross weight lb. .13 - —
T 3, solid, gross weight lb. .10¾- —
3-3, solid, gross weight lb. .11¼- —
5, solid, gross weight lb. .10¼- —
5-2, solid, gross weight lb. .10½- —
5-3, solid, gross weight lb. .11 - —
6, solid, gross weight lb. .09¾- —
15, solid, gross weight lb. .06½- —

CUMAR resins, V½, flaked, net weight lb. .15 - —
1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
W, ½, flaked, net weight lb. .15½- —
1, flaked, net weight lb. .14½- —
1½ and 2, flaked, net weight lb. .13½- —
2½, flaked, net weight lb. .12½- —

Prices apply to full standard drums only, f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh.

CYCOPOL S101-1, dms., c.l., frt. alld lb. .23 - —
l.c.l., same basis lb. .23½- —
S102-5, dms., c.l., same basis lb. .25½- —
l.c.l., same basis lb. .26 - —

## D

DAREX copolymer resins, 3, pkgs., c.l. (40,000 lbs.), dlvd lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - .50
X 34, pkgs., c.l. (40,000 lbs.), same basis lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - .50
X 43, pkgs., c.l. (40,000 lbs.), same basis lb. .36 - —
1 to 19 tons, same basis lb. .37 - —
less than ton lots, same basis lb. .38 - .50
Copolymer latices, 3-L, non-ret. dms., c.l. (70 dms.), f.o.b. Cambridge, Mass lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50


From SHELL CHEMICAL . . .

DIACETONE ALCOHOL

a high-boiling solvent for cellulose ester lacquers

Diacetone Alcohol gives exceptional performance as a high-boiling solvent for cellulose acetate and cellulose acetate butyrate . . . is excellent for nitrocellulose. The presence of Diacetone Alcohol in *your* lacquer formulations will result in an improved product with these advantages:

**Better film flow.** Diacetone Alcohol is widely employed to control the evaporation rate of lacquers. In this usage a small quantity in combination with active lacquer solvents imparts improved flow properties to the final product.

**Greater blush resistance.** Diacetone Alcohol not only improves film flow but it also eliminates blushing during the application and drying of the lacquer film. A superior film appearance is thus obtained.

**Mild Odor.** Diacetone Alcohol is particularly suitable for use in interior brushing lacquers, because of its faint but pleasant odor. This property, together with its slow evaporation rate, makes Diacetone Alcohol excellent for dipping and roller-coating applications.

**Properties**

| | |
|---|---|
| Molecular Weight | 116.16 |
| Specific Gravity 20/4°C | 0.9382 |
| Boiling Point (760 mm) | 166°C (approx.) |
| Freezing Point | —44°C |
| Refractive Index | 1.4232 |
| Vapor Pressure 20°C | 0.84 mm Hg |

**Lacquer Solvent Properties**

| | |
|---|---|
| *Dilution Ratio* | |
| Toluene | 3.0 |
| Aromatic Naphtha | 1.0 |
| Aliphatic Naphtha | 0.5 |
| Viscosity 25°C (8% soln. ½ sec. nitrocellulose) | 153 cps.) |
| Blush Resistance (% relative humidity at 80°F) | 87 |
| Rate of Evaporation (n-butyl acetate = 1.0) | 0.2 |

Other Applications. An effective solvent for penta-chlorophenol, the widely used wood fungicide . . . excellent in hydraulic fluids . . . an important ingredient of industrial dyes and stains.

SHELL CHEMICAL CORPORATION

Eastern Div.: 500 Fifth Ave., New York 18 • Western Div.: 100 Bush St., San Francisco 6

Los Angeles • Houston • Chicago • St. Louis • Cleveland • Boston • Detroit • Newark

**DAREX copolymer latices, 9-L, non-ret. dms., c.l. (70 dms.), same basis** lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
**X 34-L, non-ret. dms., c.l. (70 dms.), same basis** lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
**X 44-L, non-ret. dms., c.l. (70 dms.), same basis** lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
**Polymer emulsions, X52L, non-ret. dms., c.l. (70 dms.), same basis** lb. .37½- —
5-dm. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
**X53L, non-ret. dms., c.l. (70 dms.), same basis** lb. .37½- —
5-dm. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
**X56L, non-ret. dms., c.l. (70 dms.), same basis** lb. .35½- —
5-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
**X58L, non-ret. dms., c.l. (70 dms.), same basis** lb. .39½- —
5-dm. lots, same basis lb. .42 - —
smaller lots, same basis lb. .43 - .50
**X60L-1800, non-ret. dms., c.l. (70 dms.), same basis** lb. .37½- —
5-dm. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50

Prices of polymer emulsions and copolymer latices are quoted per lb. of total solids.

**DOW resin 276, V-2 and V-9, 55-gal. drums, c.l., works** lb. .24 - —
l.c.l., same basis lb. .24½- —
5 and 10-gal. drums, same basis lb. .30 - —

**DOW CORNING silicone resins, DC-801, 5-10-gal. cans, net wgt., 8.75 lbs. per gal., f.o.b. ship't pt., frt. prepaid** gal.19.40 - —
30-50 gals., dms., same basis gal.18.65 - —
**DC-802, 5-10-gal. cans, net wgt., 8.4 lbs. per gal., same basis** gal.19.40 - —
30-50 gals., dms., same basis gal.18.65 - —
**DC-803, 5-10-gal. cans, net wgt., 8.5 lbs. per gal., same basis** gal.15.70 - —
30-50 gals., dms., same basis gal.15.10 - —
**DC-804, 5-10-gal. cans, net wgt., 8.75 lbs. per gal., same basis** gal.19.40 - —
30-50 gals., dms., same basis gal.18.65 - —
**DC-993, 50% solids, 5-10-gal. cns, net wgt., 8.4 lbs. per gal., same basis** gal.15.50 - —
30-50 gals., dms., same basis gal.14.90 - —
**DC-993, 70% solids, 5-10 gals., net wgt., 9 lbs. per gal., same basis** gal.23.25 - —
30-50-gal. dms., same basis gal.22.40 - —
**DC-996, 5-10 gals., net wgt., 8.4 lbs. per gal., same basis** gal.15.50 - —
30-50-gal. dms., same basis gal.14.90 - —
**DC-2103, 5-10 gals., net wgt., 9 lbs. per gal., same basis** gal.19.90 - —
30-50-gal. dms., same basis gal.19.15 - —

**DYAL resins, 1, 50% solids content, dms. incl., c.l., works** lb. .19 - —
l.c.l., same basis lb. .19½- —
**6, 50% solids content, dms., incl., c.l., same basis** lb. .16 - —
l.c.l., same basis lb. .16½- —
**7, 50% solids content, dms. incl., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 - —
**8, 60% solids content, dms. incl., c.l., same basis** lb. .23 - —
l.c.l., same basis lb. .23½- —
**9, 50% solids content, dms. incl., c.l., same basis** lb. .20½- —
l.c.l., same basis lb. .21 - —
**16, 70% solids content, dms. incl., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 - —
**19, 55% solids content, dms. incl., c.l., same basis** lb. .24½- —
l.c.l., same basis lb. .25 - —
**26, 50% solids content, dms. incl., c.l., same basis** lb. .21 - —
l.c.l., same basis lb. .21½- —
**27, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**62, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**66, 60% solids content, dms. incl., c.l., same basis** lb. .25 - —
l.c.l., same basis lb. .25½- —
**75, 50% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**78, 50% solids content, dms. incl., c.l., same basis** lb. .24½- —
l.c.l., same basis lb. .25 - —
**83, 70% solids content, dms., incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**84, 70% solids content, dms. incl., c.l., same basis** lb. .30 - —
l.c.l., same basis lb. .30½- —
**86, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**93, 70% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**99, 50% solids conten.. dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**116, 90% solids content, dms. incl., c.l., same basis** lb. .32 - —
l.c.l., same basis lb. .32½- —
**156, 100% solids content, dms., incl., c.l., same basis** lb. .27½- —
l.c.l., same basis lb. .28 - —

Tankcar prices are 1c. per lb. below c.l. quotations. Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Add ½c. per lb. for 30-gal. dms.; 5-gal. pails, 1c. per lb. additional

**DYMAL resins, 79, fiber ctns., net wgt., c.l., works** lb. .27 - —
l.c.l., same basis lb. .27½- —
**149, fiber ctns., net wgt., c.l., same basis** lb. .21 - —
l.c.l., same basis lb. .21½- —
**218, fiber ctns., net wgt., c.l., same basis** lb. .21½- —
l.c.l., same basis lb. .22 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

**DYPHENE resins, 5, fiber ctns., net wgt., c.l., works** lb. .37 - —
l.c.l., same basis lb. .37½- —
**7, fiber ctns., net wgt., c.l., same basis** lb. .39 - —
l.c.l., same basis lb. .39½- —
**8, fiber ctns., net wgt., c.l., same basis** lb. .38 - —
l.c.l., same basis lb. .38½- —
**10, fiber ctns., net wgt., c.l., same basis** lb. .37 - —
l.c.l., same basis lb. .37½- —

**DYPHENE resins, 80, fiber ctns., net wgt., c.l., same basis** lb. .35 - —
l.c.l., same basis lb. .35½- —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

**DYPHENITE resins, 79, fiber ctns., net wgt., c.l., works** lb. .27½- —
l.c.l., same basis lb. .28 - —
**130, fiber ctns., net wgt., c.l., same basis** lb. .23 - —
l.c.l., same basis lb. .23½- —
**133, fiber ctns., net wgt., c.l., same basis** lb. .24 - —
l.c.l., same basis lb. .24½- —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs., or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

**ETHOCEL** (see Ethylcellulose in Current Market Quotations).

**FALKYD resins, A-2, 60% solids, dms. incl., c.l** lb. .25 - —
l.c.l., same basis lb. .25½- —
**A-3, 50% solids, dms. incl., c.l** lb. .21 - —
l.c.l., same basis lb. .21½- —
**A-3-LV, 50% solids, dms. incl., c.l** lb. .21 - —
l.c.l., same basis lb. .21½- —
**A-4-D, 40% solids, dms. incl., c.l.** lb. .17¾- —
l.c.l., same basis lb. .18¼- —
**A-4-D, 50% solids, dms. incl., c.l.** lb. .21¼- —
l.c.l., same basis lb. .21¾- —
**A-5-D, 70% solids, dms. incl., c.l** lb. .28¾- —
l.c.l., same basis lb. .29¼- —
***A-5-D, 100% solids, dms. incl. c.l** lb. .39 - —
l.c.l, same basis lb. .39½- —
**A-6, 70% solids, dms. incl., c.l.** lb. .28 - —
l.c.l, same basis lb. .28½- —
**AA-6, 70% solids, dms. incl.** lb. .28½- —
l.c.l., same basis lb. .29 - —
**B-2, 60% solids, dms. incl., c.l** lb. .22 - —
l.c.l., same basis lb. .22½- —
**B-2-S, 50% solids, dms. incl., c.l.** lb. .19 - —
l.c.l., same basis lb. .19½- —
**B-3, 50% solids, dms. incl., c.l** lb. .16½- —
l.c.l., same basis lb. .17 - —
**B-3000, 50% solids, dms. incl., c.l.** lb. .16¾- —
l.c.l., same basis lb. .17¼- —
**B-34, 50% solids, dms. incl., c.l** lb. .17 - —
l.c.l., same basis lb. .17½- —
**B-38, 50% solids, dms. incl., c.l** lb. .19¾- —
l.c.l., same basis lb. .20¼- —
**B-41, 65% solids, dms. incl., c.l.** lb. .21 - —
l.c.l., same basis lb. .21½- —
***B-43-D, 100% solids, dms. incl., c.l** lb. .29 - —
l.c.l., same basis lb. .29½- —
***B-5, 85% solids, dms. incl., c.l** lb. .24½- —
l.c.l., same basis lb. .25 - —
**B-600, 70% solids, dms. incl., c.l** lb. .19 - —
l.c.l., same basis lb. .19½- —
**B-666, 70% solids, dms. incl., c.l.** lb. .19½- —
l.c.l., same basis lb. .20 - —
**BB-6, 60% solids, dms. incl., c.l.** lb. .17 - —
l.c.l., same basis lb. .17½- —
**BB-6, 70% solids, dms. incl., c.l.** lb. .19½- —
l.c.l., same basis lb. .20 - —
**C-3, 50% solids, dms. incl., c.l** lb. .18½- —
l.c.l., same basis lb. .19 - —
**C-5, 70% solids, dms. incl., c.l** lb. .22¼- —
l.c.l., same basis lb. .22¾- —
**C-5-D, 70% solids, dms. incl., c.l.** lb. .22¾- —
l.c.l., same basis lb. .23¼- —
**G-25, 50% solids, dms. incl., c.l.** lb. .19¾- —
l.c.l., same basis lb. .20¼- —
**G-2500 (xylol), 50% solids, dms. incl., c.l** lb. .19¾- —
l.c.l., same basis lb. .20¼- —
**G-2500 (high-flash), 50% solids, dms. incl., c.l** lb. .20¼- —
l.c.l., same basis lb. .20¾- —
**I-72-D-HV, 50% solids, dms. incl., c.l** lb. .16 - —
l.c.l., same basis lb. .16½- —
**II-7, 50% solids, dms. incl., c.l** lb. .13½- —
l.c.l., same basis lb. .14 - —
**J-203, 50% solids, dms. incl., c.l.** lb. .20½- —
l.c.l., same basis lb. .21 - —
**J-525, 50% solids, dms. incl., c.l.** lb. .17½- —
l.c.l., same basis lb. .18 - —
**L-4-X, 50% solids, dms. incl., c.l.** lb. .21 - —
l.c.l., same basis lb. .21½- —
**L-5, 60% solids, dms. incl., c.l** lb. .24½- —
l.c.l., same basis lb. .25 - —
**W-200, 60% solids, dms. incl., c.l.** lb. .26½- —
l.c.l., same basis lb. .27 - —

Tankcar prices 1c. per lb. below c.l. quotations.
*Tankcar quotations not available.

**FALKOTE 285, 100% solids, dms. incl., c.l** lb. .20 - —
l.c.l., same basis lb. .20½- —
**315, 100% solids, dms. incl., c.l.** lb. .20 - —
l.c.l., same basis lb. .20½- —
**FLEXALYN solution, non-ret. dms., dlvd., c.l., zone 1** lb. .17¼- —
l.c.l., same basis lb. .17¾- —
**C solution, c.l., same basis** lb. .16½- —
l.c.l., same basis lb. .17 - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

**FORMVAR polyvinyl formal resin, 15/95 E, ret. dms., c.l., (30,000 lbs.), f.o.b. Indian Orchard, Mass** lb. .83 - —
**2,000 lbs. to 29,999 lbs., same basis** lb. .85 - —
**125 lbs. to 1,999 lbs., same basis** lb. .88 - —
**smaller lots, same basis** lb 1.00 - —

## G

**GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works** lb. .40 - —
**ton lots only, fib. ctns., same basis** lb. .43 - —
**over 200 lbs., fib. ctns., same basis** lb. .45 - —
**under 200 lbs., fib. ctns., same basis** lb. .60 - —

Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.

**GELVA resin, solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass** lb. .20 - —
**1.5 cps., 70% solids content in toluol, non-ret. bbls., ton lots only, same basis** lb. .31 - —
**less than ton lots, non-ret. bbls., same basis** lb. .32 - —
**2.5 cps., 60% solids content in toluol, non-ret. bbls., ton lots only, same basis** lb. .27½- —
**less than ton lots, non-ret. bbls., same basis** lb. .28½- —
**7 cps., 50% solids content in toluol, non-ret. bbls., ton lots only, same basis** lb. .24 - —
**less than ton lots, non-ret. bbls., same basis** lb. .25 - —
**50% solids content in ethanol, non-ret. bbls., ton lots only, same basis** lb. .28½- —
**33.4% solids content in ethanol, non-ret. bbls., ton lots only, same basis** lb. .23 - —
**15 cps., 35% solids content in toluol, non-ret. bbls., ton lots only, same basis** lb. .19 - —
**less than ton lots, non-ret. bbls., same basis** lb. .20 - —
**100 cps., 25% solids content in toluol, non-ret. bbls., ton lots only, same basis** lb. .16 - —
**less than ton lots, non-ret bbls., same basis** lb. .17 - —

**Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids), S-50 and S-55, non-ret bbls., c.l., dlvd. E. of Rocky Mts., works** lb. .20½- —
**ton lots and over, non-ret. bbls., same basis** lb. .22 - —
**less than ton lots, non-ret. bbls., same basis** lb. .22½- —
**less than bbls., f.o.b. Indian Orchard, Mass** lb. .28 - —

Prices W. of Rocky Mts. 2c. per lb. higher.

**GEON, polyvinyl resin, 101, 30,000 lbs., works** lb. .34 - —
**5,000 to 29,999 lbs., works** lb. .36 - —
**200 to 4,999 lbs., works** lb. .38 - —
**up to 199 lbs., works** lb. .52 - —
**121, 30,000 lbs., works** lb. .37 - —
**5,000 to 29,999 lbs., works** lb. .39 - —
**200 to 4,999 lbs., works** lb. .41 - —
**up to 199 lbs., works** lb. .58 - —
**202, 30,000 lbs., works** lb. .34 - —
**5,000 to 29,999 lbs., works** lb. .36 - —
**200 to 4,999 lbs., works** lb. .38 - —
**up to 199 lbs., works** lb. .52 - —
**203, 30,000 lbs., works** lb. .37 - —
**5,000 to 29,999 lbs., works** lb. .39 - —
**200 to 4,999 lbs., works** lb. .41 - —
**up to 199 lbs., works** lb. .58 - —
**204, 30,000 lbs., works** lb. .37 - —
**5,000 to 29,999 lbs** lb. .39 - —
**200 to 4,999 lbs.** lb. .41 - —
**up to 199 lbs** lb. .58 - —
**205, 30,000 lbs., works** lb. .34 - —
**5,000 to 29,999 lbs., works** lb. .36 - —
**200 to 4,999 lbs., works** lb. .38 - —
**up to 199 lbs., works** lb. .52 - —

Minimum transportation prepaid.

**GLYPTAL resins, 1247, 65% solids content, dms., incl., c.l., dlvd** lb. .26 - —
l.c.l., same basis lb. .26½- —
**2458, 50% solids content, dms. incl., c.l., same basis** lb. .23¾- —
l.c.l., same basis lb. .24½- —
**2462, 50% solids content, dms. incl., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 - —
**2464, 50% solids content, dms. incl., c.l., same basis** lb. .17 - —
l.c.l., same basis lb. .17½- —
**2466, 70% solids content, dms. incl., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 - —
**2475, 60% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**2477, 65% solids content, dms. incl., c.l., same basis** lb. .26¼- —
l.c.l., same basis lb. .26¾- —
**2480, 50% solids content, dms. incl., c.l., same basis** lb. .21 - —
l.c.l., same basis lb. .21½- —
**2502, 60% solids content, dms. incl., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 - —
**2504, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**2506, 70% solids content, dms. incl., c.l., same basis** lb. .20½- —
l.c.l., same basis lb. .21 - —
**2508, 100% solids content, dms. incl., c.l., same basis** lb. .36 - —
l.c.l., same basis lb. .36½- —
**2509, 50% solids content, dms. incl., c.l., same basis** lb. .17½- —
l.c.l., same basis lb. .18 - —
**2512, 60% solids content, dms. incl., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 - —
**2514, 60% solids content, dms. incl., c.l., same basis** lb. .17 - —
l.c.l., same basis lb. .17½- —
**2517, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**2518, 50% solids content, dms. incl., c.l., same basis** lb. .21¾- —
l.c.l., same basis lb. .22¼- —
**2520, 50% solids content, dms. incl., c.l., same basis** lb. .23 - —
l.c.l., same basis lb. .23½- —
**2521, 50% solids content, dms. incl., c.l., same basis** lb. .23 - —
l.c.l., same basis lb. .23½- —
**2525, 40% solids content, dms. incl., c.l., same basis** lb. .16¼- —
l.c.l., same basis lb. .16¾- —
**2527, 50% solids content, dms. incl., c.l., same basis** lb. .22 - —
l.c.l., same basis lb. .22½- —
**2532, 50% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**2556, 80% solids content, dms. incl., c.l., same basis** lb. .30¼- —
l.c.l., same basis lb. .30¾- —
**2557, 100% solids content, dms. incl., c.l., same basis** lb. .40¼- —
l.c.l., same basis lb. .40¾- —
**2570, 60% solids content, dms. incl., c.l., same basis** lb. .24½- —
l.c.l., same basis lb. .25 - —
**2572, 60% solids content, dms. incl., c.l., same basis** lb. .25 - —
l.c.l., same basis lb. .25½- —
**2585, 50% solids content, dms. incl., c.l., same basis** lb. .20¾- —
l.c.l., same basis lb. .21¼- —
**2590, 50% solids content, dms. incl., c.l., same basis** lb. .20½- —
l.c.l., same basis lb. .21 - —
**2591, 60% solids content, dms. incl., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 - —
**2592, 50% solids content, dms. incl., c.l., same basis** lb. .18¼- —
l.c.l., same basis lb. .18¾- —
**2593, 60% solids content, dms. incl., c.l., same basis** lb. .23¼- —
l.c.l., same basis lb. .23¾- —

**GREAT EASTERN resins, 1, 70% solids content, dms. incl., c.l., dlvd** lb. .21 - —
l.c.l., same basis lb. .21½- —
**2, 50% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**3, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**4, 50% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**5, 60% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**6, 50% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**7, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**8, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**9, 50% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**10, 60% solids content, dms. incl., c.l., same basis** lb. .19 - —
l.c.l., same basis lb. .19½- —
**11, 60% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**12, 60% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**13, 60% solids content, dms. incl., c.l., same basis** lb. .20 - —
l.c.l., same basis lb. .20½- —
**14, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**15, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**16, 60% solids content, dms. incl., c.l., same basis** lb. .18 - —
l.c.l., same basis lb. .18½- —
**17, 60% solids content, dms. incl., c.l., same basis** lb. .15 - —
l.c.l., same basis lb. .15½- —
**18, 50% solids content, dms. incl., c.l., same basis** lb. .15 - —
l.c.l., same basis lb. .15½- —
**19, 60% solids content, dms. incl., c.l., same basis** lb. .15 - —
l.c.l., same basis lb. .15½- —
**20, 50% solids content, dms. incl., c.l., same basis** lb. .15 - —
l.c.l., same basis lb. .15½- —
**69, 60% solids content, dms. incl., c.l., same basis** lb. .14 - —
l.c.l., same basis lb. .14½- —
**70, 50% solids content, dms. incl., c.l., same basis** lb. .14 - —
l.c.l., same basis lb. .14½- —
**71, 50% solids content, dms. incl., c.l., same basis** lb. .14 - —
l.c.l., same basis lb. .14½- —

Prices are f.o.b. Great Eastern's plant, freight prepaid and allowed to any point in the United States except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

**GUAI-A-PHENE, 50-55 gal. dms., ret., dms. on deposit at $6 each, works** lb. 2.97 - —
**5-gal. dms., dms. incl., any quantity, works** lb. 3.12 - —
**1-gal. cans, cans incl., 6-can lots, works** lb. 3.22 - —
**1 to 5 cans, works** lb. 3.32 - —

## H

**HERCOLYN** (see methyl abietate hydrogenated) in Current Market Quotations.
**HYDROGUM resin, P-190, dms. incl., c.l., dlvd. zones 1 and 2** lb. .21 - —
l.c.l., same basis lb. .21½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

## K

**KOPOL resins, 500, dms. incl., c.l., dlvd., zones 1 and 2** lb. .25 - —
l.c.l., same basis lb. .25½- —
**501, dms. incl., c.l., same basis** lb. .22 - —
l.c.l., same basis lb. .22½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

## L

**LEWISOL resins, 28, non-ret. dms., c.l., f.o.b. customer's siding, zone 1** lb. .20 - —
l.c.l., same basis lb. .20½- —
**33, non-ret. dms., c.l., same basis.** lb. .20 - —
l.c.l., same basis lb. .20½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

## M

**MARBON resins, S, bgs., c.l., f.o.b. Gary, Ind** lb. .36 - —
2,000 lbs., same basis lb. .37 - —
smaller lots, same basis lb. .38 - .43
**S-1, bgs., c.l., same basis** lb. .36 - —
2,000 lbs., same basis lb. .37 - —
smaller lots, same basis lb. .38 - .43
Minimum freight allowed.
**MARMIX, non-ret. dms., c.l., f.o.b. Gary, Ind** lb. .36 - —
l.c.l., same basis lb. .38 - —
less dms., same basis lb. .43 - —
Minimum freight allowed.
**MARVINOL resin, VR-10, 30,000 lbs., f.o.b. works** lb. .33 - —
5,000 to 29,999 lbs., same basis lb. .34 - —
200 to 4,999 lbs., same basis lb. .36 - —
up to 199 lbs., same basis lb. .50 - —
**MELMAC, 245-8, dms., c.l., frt. alld. E** lb. .36 - —
l.c.l., frt. alld lb. .36½- —
246-10, c.l., frt. alld lb. .45 - —
l.c.l., frt. alld lb. .45½- —
248-8, c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb. .37½- —
560-8, c.l., frt. alld lb. .36½- —
l.c.l., frt. alld lb. .37 - —
586-9, c.l., frt. alld lb. .34 - —
l.c.l., frt. alld lb. .34½- —
599-8, c.l., frt. alld lb. .34½- —
l.c.l., frt. alld lb. .35 - —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

**METHOCEL** (see Methylcellulose in Current Market Quotations).

## N

NEO-FAT, fatty acid, 3R, dms. incl., dlvd lb. .13¼- —
11, dms., c.l., dlvd lb. .35¼- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

NEOLYN resin, 20, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .26½- —
l.c.l., same basis lb. .27 - —
23, c.l., same basis lb. .25½- —
l.c.l., same basis lb. .26 - —
24 (75% in toluol), c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
40, c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

NEVILLAC, pale hard, color 1-2, melting point 85-95°C., dms., works lb. .25 - —
hard, color 2½-4, melting point 85-95°C., same basis lb. .23 - —
soft, color 2½-4, melting point 65-70°C., same basis lb. .25 - —
10° C., color ½-4, same basis lb. .33 - —
ZC, same basis lb. .31 - —
OA, same basis lb. .45 - —
RT, same basis lb. .31 - —
RX, same basis lb. .31 - —
TS, same basis lb. .45 - —
PHO, same basis lb. .33 - —

NEVILLE resin, G, dms., net weight, lb. .10½- —
R-1, nevindene, color ½, dms., works lb. .15½- —
R-3, nevindene, color 1, dms., works lb. .14½- —
R-5, nevindene, color 1½-2, dms., works lb. .13½- —
R-6, nevidene, color 2½-3½, dms., works lb. .12½- —
R-7, N.P.S. color below 3, dms., works lb. .13 - —
R-9, hard, color ½, dms., works. lb. .13 - —
R-10, hard, color 1, dms., works. lb. .14 - —
R-11, hard, color 1½-2, dms., works lb. .13 - —
R-12, hard, color, 2½-3½, dms., works lb. .12 - —
R-13, medium color, ½, dms., works lb. .13 - —
R-14, medium, color 1, dms., works lb. .14 - —
R-15, medium, color 1½-2, dms., works lb. .13 - —
R-16, medium, color 2½-4, dms., works lb. .12 - —
R-16-A, dms., net. wgt lb. .10 - .10¼
R-17, medium, soft, color 3½-8, dms., works lb. .12 - —
R-19, medium, soft, color 3½-8, dms., works lb. .12 - —
R-21, soft, color 3½-8, dms., works lb. .12 - —
R-22, special, soft, color 3½-8, dms., works lb. .12 - —
R-29, medium, soft, color 2½-8, dms., works lb. .12 - —
465, 119-125°C., dms., gross wt., Pittsburgh lb. .05 - .05½
LX-685, dms., net weight, works. lb. .12 - —
resinous oil, No XI, ret. dms. lb. .02½- —

Neville resin prices, except "G" resin, R-16-A resin, 465 resin and LX-685, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.

NEVINOL, dms., works lb. .17 - —

NUBA, No. 1, 80-90°C., dms., gross weight, works lb. .04 - —
No. 2, 100-125°C., dms., gross weight, works lb. .04 - —
No. 3-X, 135-150°C., dms., gross weight, works lb. .05¾- .06¼

## P

PARADENE 1, 78-99° C. color, 12-16, dms., gross wt., works lb. .06¼- —
2, 100-125° C., color 12-16, dms., gross wt., works lb. .06¼- —
3, 125-140° C., dms., gross wt., works lb. .07 - —
33, color 10-15, dms. gross wt., works lb. .07¼- —
34, color 10-15, dms., gross wt., works lb. .07¼- —
35, color 10-15, dms., gross wt., works lb. .07 - —

Paradene prices are freight equalized with Philadelphia, Pa.

PENTA resins, 103, dms. incl., non-ret., c.l., dlvd., zone 1 lb. .14¼- —
l.c.l., same basis lb. .14¾- —
139, dms incl., non-ret., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
140, dms. incl., non-ret., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —

PENTACITE resins, P-405, dms. incl., c.l., dlvd., zones 1 and 2 lb. .17½- —
l.c.l., same basis lb. .18 - —
P-406, dms. incl., c.l., same basis. lb. .15 - —
l.c.l., same basis lb. .15½- —
P-423, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

PENTALYN A, non-ret. dms., f.o.b. customer's siding, zone 1 lb. .14 - —
l.c.l., same basis lb. .14½- —
F, c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
G, c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
H, c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
M, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —
802A, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —
X, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

PHENAC, 604-M, dms., c.l., frt. alld. E lb. .18½- —
l.c.l., frt. alld lb. .19 - —
608, c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .19½- —
622-N, c.l., frt. alld lb. .17¾- —
622-S, c.l., frt. alld lb. .18¼- —
X-687, c.l., frt. alld lb. .38 - —
l.c.l., frt. alld lb. .38½- —

PICCOLASTIC resins, A-L, A-5, A-25, A-50, A-75, B-50, B-75, B-100, C-5, C-25, C-50, C-75, C-100, C-125, D-75, D-100, D-123, D-150, E-50, E-75, E-100, E-125, dms., c.l., f.o.b. Clairton, Pa. lb. .22 - —
l.c.l., same basis lb. .22½- —
D-140, dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
FT, FX, FHF, dms., c.l. same basis lb. .139 - —
l.c.l., same basis lb. .144 - —

Prices are on a net weight basis, containers included, and apply to standard packages only. For other than full drum shipments add 5c. per lb.

PICCOLYTE resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l. lb. .15 - —
l.c.l. lb. .15¼- —
S-55, S-70, c.l., same basis lb. .15 - —
l.c.l. lb. .15½- —
S-85, S-100, c.l., same basis lb. .15 - —
l.c.l lb. .15½- —
S-115, c.l., same basis lb. .15 - —
l.c.l lb. .15½- —
S-125, c.l., same basis lb. .15½- —
l.c.l. lb. .15¾- —

Solutions, S-115, 65% solids, dms., incl., c.l., f.o.b. Clairton, Pa. lb. .1195- —
l.c.l., same basis lb. .1245- —
tanks, same basis lb. .1095- —
45% solids, dms., incl., same basis lb. .0895- —
l.c.l., same basis lb. .0945- —
tanks, same basis lb. .0795- —
WW-20, WW-85, c.l., same basis lb. .45 - —
l.c.l., same basis lb. .46 - —

PICCOLYTE resins, solutions, WW-100, WW-115, c.l., same basis lb. .45 - —
l.c.l., same basis lb. .46 - —
WW-123, c.l., same basis lb. .46 - —
l.c.l., same basis lb. .47 - —

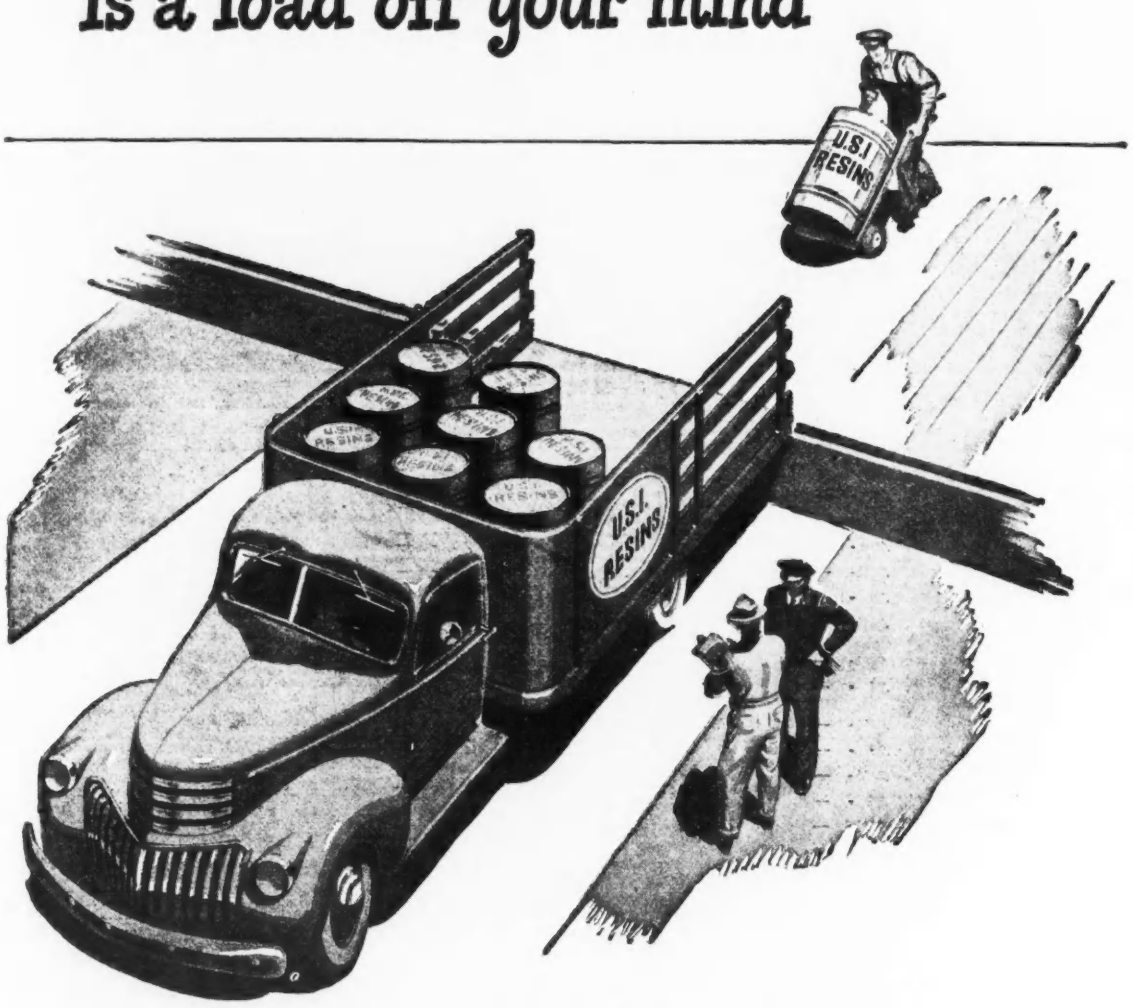
PICCOUMARON resins, 450-H, 450-L, 450-HL, dms., net wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald lb. .11½- —
450, 450-E, 450-S, same basis lb. .11½- —
450-ES, same basis lb. .11½- —
450, same basis lb. .11½- —
Other 450 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb. .12 - —
440-S, same basis lb. .09½- —
430-H, dms., gross wt., solid, f.o.b. works, frt. equald lb. .07 - —
Other 430 series, dms., net. wt., solid, f.o.b. works, frt. equald lb. .06½- —
420-H, same basis lb. .10½- —
420-S, 420-E, 420-ES, same basis. lb. .10½- —
422-R, 423-R, 425-R, 427-R, same basis lb .12 - —
Other 420 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb. .10½- —
Picco-10, same basis lb. .12 - —
Picco-25, same basis lb. .12 - —
Picco-75, Picco-100, dms., net. wt., solid, f.o.b. works, frt. equald lb. .11½- —
Bunarex-10, dms., net wt., plastic, f.o.b. works, frt. equald lb. .07½- —
XX-25, same basis lb. .07½- —
Bunarex-100, XX-100, same basis. lb. .06½- —

PICCOUMARON resins, XX-40, same basis lb. .07½- —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald. lb. .07 - —
XX-70, same basis lb. .06½- —
XX-115, same basis lb. .07 - —
60%, 420-ES sol., non-ret. dms., c.l lb. .09 - —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .08 - —

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

PLASKON resins, PCC 3105, 60% solids content, dms. incl., 10,000 lbs., dlvd. zone 1 lb. .25 - —
less than 10,000 lbs., same basis lb. .25½- —
PCC 3115, 60% solids content, dms. incl., 10,000 lbs., same basis lb. .24 - —
less than 10,000 lbs., same basis lb. .24½- —
PCC 3120, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .19½- —
less than 10,000 lbs., same basis lb. .20 - —
PCC 3121, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .19½- —
less than 10,000 lbs., same basis lb. .20 - —
PCC 3148, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .19 - —
less than 10,000 lbs., same basis lb. .19½- —


# A load on this truck is a load off your mind

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**PLASKON resins, PCC 3160, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .19½- —
less than 10,000 lbs., same basis lb. .20 • —
**PCC 3161, dms. incl., 10,000 lbs., same basis** lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
**PCC 3175, 60% solids content, dms. incl., 10,000 lbs., same basis** lb. .17 • —
less than 10,000 lbs., same basis lb. .17½- —
**PCC 3175, 70% solids content, dms. incl., 10,000 lbs., same basis** lb. .19¼- —
less than 10,000 lbs., same basis lb. .19¾- —
**PCC 3177, 70% solids, content, dms. incl., 10,000 lbs., same basis** lb. .19¼- —
less than 10,000 lbs., same basis lb. .19¾- —
**PCC 3179, 70% solids content, dms. incl., 10,000 lbs., same basis** lb. .21 • —
less than 10,000 lbs., same basis lb. .21½- —
**PCC 3181, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .16¼- —
less than 10,000 lbs., same basis lb. .16¾- —
**PCC 3185, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .16¼- —
less than 10,000 lbs., same basis lb. .16¾- —
**PCC 3252, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .18 • —
less than 10,000 lbs., same basis lb. .18½- —
**PCC 3254, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
**PCC 3282, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .14½- —
less than 10,000 lbs., same basis lb. .15 • —
**PCC 3401, dms. incl., 10,000 lbs., dlvd. zones 1 and 3** lb. .17¾- —
less than 10,000 lbs., same basis lb. .18¼- —
**PCC 3402, dms. incl., 10,000 lbs., same basis** lb. 17¾- —
less than 10,000 lbs., same basis lb. .18¼- —
**PCC 3417, dms. incl., 10,000 lbs., same basis** lb. .17¾- —
less than 10,000 lbs., same basis lb. .18¼- —
**PCC 3450, dms. incl., 10,000 lbs., same basis** lb. .17¾- —
less than 10,000 lbs., same basis lb. .18¼- —
**PCC 3454, dms. incl., 10,000 lbs., same basis** lb. .21 • —
less than 10,000 lbs., same basis lb. .21½- —
**PCC 3457, dms. incl., 10,000 lbs., same basis** lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
**PCC 3480, dms. incl., 10,000 lbs., same basis** lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
**PCC 3513, dms. incl., 10,000 lbs., same basis** lb. .17½- —
less than 10,000 lbs., same basis lb. .18 • —
**PCC 3539, dms. incl., 10,000 lbs., same basis** lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
**PCC 3550, dms. incl., 10,000 lbs., same basis** lb. .19¾- —
less than 10,000 lbs., same basis lb. .20¼- —
**PCC 3604, dms. incl., 10,000 lbs., same basis** lb. .14 • —
less than 10,000 lbs., same basis lb. .14½- —
**PCC 3606, dms. incl., 10,000 lbs., same basis** lb. .13 • —
less than 10,000 lbs., same basis lb. .13½- —
**PCC 3608, dms. incl., 10,000 lbs., same basis** lb. .13 • —
less than 10,000 lbs., same basis lb. .13½- —
**PCC 3300, 50% solids content, dms. incl., 10,000 lbs., dlvd., zone 1** lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —
**PCC 3311, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —
**PCC 3312, dms. incl., 10,000 lbs., same basis** lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —
**PCC 3353, dms. incl., 10,000 lbs., same basis** lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —
**PCC 3371, 50% solids content, dms. incl., 10,000 lbs., same basis** lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —

Prices are f.o.b. Toledo or Kenilworth, N. J. On shipments of one or more full standard-size drums, freight is prepaid to carriers' stations nearest destination. Zone 1 consists of the United States except California, Oregon, Washington, Colorado, Idaho, Montana, New Mexico, Nevada, Wyoming, Utah, and Texas. The excepted states comprise zone 3, where prices are ¾c. per lb. higher than listings above. For shipments made in other than standard drums, add 2c. and 2¾c. per lb. for half drums in zone 1 and zone 3, respectively. Five-gal. containers are 3c. higher in zone 1 and 3¾c. more in zone 3.

**PLIOLITE, natural rubber, unmilled powder, dms., ton lots, f.o.b. Akron, Ohio** lb. .70 • —
**P-1230, dms., ton lots, same basis** lb. .85 • —
**50, dms., ton lots, same basis** lb. .75 • —
**Base, 1A-NR, rutile titanium dioxide, same basis** lb. .72 • —
**2B-NR, channel black, same basis** lb. .97 • —
**8-NR, zinc oxide, same basis** lb. .57 • —
**6-NR, red lead, same basis** lb. .63 • —
**7A-NR, red iron oxide, same basis** lb. .68 • —
**8A-NR, zinc chromate, same basis** lb. .76 • —
**10-B-NR, micro-pulverized diatomaceous earth, same basis** lb. .70 • —
**13A-NR, China clay, same basis** lb. .67 • —
**16-NR, chromium oxide, same basis** lb. .83 • —
**85-NR, CP toluidin toner, same basis** lb. 1.47 • —
**87-NR, red lead and zinc oxide, same basis** lb. .67 • —
**38A-NR, yellow iron oxide, same basis** lb. .86 • —

**PLIOLITE, natural rubber, 39C-NR, CP, chrome green, medium, same basis** lb. 1.05 • —
**41B-NR, CP chrome yellow, medium, same basis** lb. .83 • —
**42A-NR, ultramarine blue, same basis** lb. .84 • —
**80-NR, rutile non-yellowing titanium dioxide, same basis,** lb. .72 • —
**Milled resins, S-4, dms., ton lots, same basis** lb. .78 • —
**Base, 1-S4, anatase titanium dioxide, same basis** lb. .56 • —
**2-S4, carbon black, same basis** lb. .71 • —
**7C-S4, red iron oxide, same basis** lb. .58 • —
**8-S4, zinc chromate, same basis** lb. .70 • —
**14-S4, lithopone, same basis** lb. .38 • —
**23-S4, hansa yellow, same basis** lb. 1.28 • —
**35-S4, toluidin toner, same basis** lb. 1.31 • —
**38B-S4, yellow iron oxide, same basis** lb. .58 • —
**39-S4, C. P. chrome green, same basis** lb. .70 • —
**47A-S4, high zinc lithopone, same basis** lb. .40 • —
**66A-S4, monastral blue, same basis** lb. 2.58 • —
**79B-S4, cadmium lithopone, same basis** lb. 1.13 • —
**80-S4, rutile titanium dioxide, same basis** lb. .56 • —
**S-5, dms., ton lots, same basis** lb. .59 • —
**Base, 1A-S5, titanium dioxide, same basis** lb. .45 • —
**2C-S5, carbon black same basis** lb. .50 • —
**5-S5, zinc oxide, same basis** lb. .34 • —
**6-S5, red lead, same basis** lb. .36 • —
**7C-S5, Indian red, same basis** lb. .49 • —
**8A-S5, zinc chromate, same basis** lb. .51 • —
**12-S5, whiting, precipitated, same basis** lb. .28 • —
**13A-S5, China clay, same basis** lb. .33 • —
**14-S5, lithopone, same basis** lb. .31 • —
**15-S5, zinc sulphide, same basis** lb. .38 • —
**17-S5, Prussian blue, same basis** lb. .65 • —
**35-S5, toluidin toner, medium, same basis** lb. .95 • —
**38-S5, yellow iron oxide, same basis** lb. .45 • —
**39C-S-5, C.P., chrome green medium, same basis** lb. .59 • —
**41A-S-5, C.P., chrome yellow, medium, same basis** lb. .46 • —
**46C-S5, lampblack, same basis.** lb. .53 • —
**47-S5, high zinc lithopone, same basis** lb. .34 • —
**64-S5, molybdate orange, dark, same basis** lb. .64 • —
**65-S5, C.P., chrome yellow, extra light, same basis** lb. .51 • —
**66-S-5, phthalocyanine** lb. .98 • —
**68A-S5, C.P., chrome green, extra light, same basis** lb. .59 • —
**80-S-5, non-yellowing titanium dioxide** lb. .45 • —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

**PLYOPHEN resins, 5000 dms., incl., c.l., dlvd., zones 1 and 2** lb. .20½- —
l.c.l., same basis lb. .21 • —
**5010, dms. incl., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 • —
**5012, dms. incl., c.l., same basis** lb. .16½- —
l.c.l., same basis lb. .17 • —
**5012-T, dms. incl., c.l., same basis.** lb. .16 • —
l.c.l., same basis lb. .16½- —
**5013, dms. incl., c.l., same basis** lb. .17½- —
l.c.l., same basis lb. .18 • —
**5013-T, dms. incl., c.l., same basis** lb. .17 • —
l.c.l., same basis lb. .17½- —
**5014, dms. incl., c.l., same basis** lb. .16½- —
l.c.l., same basis lb. .17 • —
**5014-T, dms. incl., c.l., same basis** lb. .16 • —
l.c.l., same basis lb. .16½- —
**5015, dms. incl., c.l., same basis** lb. .17 • —
l.c.l., same basis lb. .17½- —
**5016, dms. incl., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 • —
**5020, dms. incl., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 • —
**5020-T, dms. incl., c.l., same basis** lb. .18 • —
l.c.l., same basis lb. .18½- —
**5022, dms. incl., c.l., same basis** lb. .20 • —
l.c.l., same basis lb. .20½- —
***5023, dms. incl., c.l., same basis** lb. .25 • —
l.c.l., same basis lb. .25½- —
***5023-A, dms. incl., c.l., same basis** lb. .25 • —
l.c.l., same basis lb. .25½- —
***5024, dms. incl., c.l., same basis** lb. .24 • —
l.c.l., same basis lb. .24½- —
**5025, dms. incl., c.l., same basis.** lb. .18½- —
l.c.l., same basis lb. .19 • —
**5027, dms., incl., c.l., same basis** lb. .20 • —
l.c.l., same basis lb. .20½- —
**5030, dms. incl., c.l., same basis** lb. .23 • —
l.c.l., same basis lb. .23½- —
**5031, dms. incl., c.l., same basis** lb. .24 • —
l.c.l., same basis lb. .24½- —
**5040, dms. incl., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**5041, dms. incl., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**6000, dms. incl., c.l., same basis.** lb. .58 • —
l.c.l., same basis lb. .58½- —
**6002, dms. incl., c.l., same basis** lb. .28 • —
l.c.l., same basis lb. .28½- —
**P-375, dms., incl., c.l., same basis** lb. .25 • —
l.c.l., same basis lb. .25½- —
**P-398, dms. incl., c.l., same basis** lb. .10½- —
l.c.l., same basis lb. .11 • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.
*Tankcar quantities not available.

**Polyamide ED, Nos. 93, 94, and 95 f.o.b. works, l.c.l. quantities** lb. .85 • —

**POLYCO 117-H, polyvinyl acetate, bbls., c.l., f.o.b. Peabody, Mass.** lb. .20½- —
bbls., l.c.l., rame basis lb. .22 • .22½
Freight allowed to city of destination East of the Mississippi River, or freight allowance not to exceed 1½c. per net lb. of emulsion for points West of the Mississippi River.
**144, polyacrylate, bbls., c.l., f.o.b. Peabody, Mass.** lb. .28 • —
bbls., c.l., same basis lb. .29 • .30
**265, polyvinyl acetate in acetone, bbls., c.l., same basis** lb. .25½- —
bbls., l.c.l., same basis lb. .26½- .27½
**256, sodium polyacrylate, bbls., c.l., same basis** lb. .13 • —
bbls., l.c.l., same basis lb. .14 • .15
**301, polyvinyl acetate in toluol, bbls., c.l., same basis** lb. .20½- —
bbls., l.c.l., same basis lb. .21½- .22½
**309, polyvinyl acetate in ethanol, bbls., c.l., same basis** lb. .25½- —
bbls., l.c.l., same basis lb. .26½- .27½
**310, polyvinyl acetate in xylol, bbls., c.l., same basis** lb. .20½- —
bbls., l.c.l., same basis lb. .21½- .22½
**346, polyvinyl acetate in methanol, bbls., c.l., same basis** lb. .17½- —
bbls., l.c.l., same basis lb. .18½- .19½
**Polyethylene resins, DYGT, granular, bgs., c.l. (30,000 lbs.), f.o.b. South Charleston, W. Va** lb. .60 • —
10,000 lbs. to 29,999 lbs., same basis lb. .60½- —
200 lbs. to 9,999 lbs., same basis lb. .61 • —
1 lb. to 199 lbs., same basis. lb. .64 • —
**DYLT, granular, bgs., c.l. (30,000 lbs.), same basis** lb. .56 • —
10,000 lbs. to 29,999 lbs., same basis lb. .56½- —
200 lbs. to 9,999 lbs., same basis lb. .57 • —
1 lb. to 199 lbs., same basis. lb. .60 • —
**DYNF, granular, bgs., same basis.** lb. .44 • —
**DYNH, granular, bgs., same basis.** lb. .44 • —
**DYNJ, granular, bgs., same basis.** lb. .47 • —
**POLYPALE ester, No. 1, non-ret. dms., c.l., dlvd., zone 1** lb. .14 • —
l.c.l., same basis lb. .14½- —
No 10, c.l., same basis lb. .14 • —
l.c.l., same basis lb. .14½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

## R

**R-B-H resin, 510, bbls., c.l. or full truck load, f.o.b. Bauer, Utah** lb. .13½- —
l.c.l., f.o.b. Sound Brook, N. J. lb. .16½- .20
**RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass** lb. .36 • —
non-ret. dms., l.c.l., same basis. lb .36½- —
5-gal. containers, same basis lb. .48½- —
**877, non-ret. dms., c.l., same basis.** lb. .34½- —
non-ret. dms., l.c.l., same basis. lb. .35 • —
5-gal. containers, same basis lb. .47 • —
**878, non-ret. dms., c.l., same basis.** lb. .36 • —
non-ret. dms., l.c.l., same basis. lb. .36½- —
5-gal. containers, same basis lb. .48½- —
**881, non-ret. dms., c.l., same basis.** lb. .41 • —
non-ret. dms., l.c.l., same basis. lb. .41½- —
5-gal. containers, same basis lb. .53½- —
**882, non-ret., dms., c.l., same basis.** lb. .42 • —
non-ret. dms., l.c.l., same basis. lb. .42½- —
5-gal. containers, same basis lb. .54½- —
**883, non-ret., dms., c.l., same basis.** lb. .42½- —
non-ret. dms., l.c.l., same basis. lb. .43 • —
5-gal. containers, same basis lb. .55 • —

Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

**REZYL, 14-7E-75, dms., c.l., frt. alld. E** lb. .44½- —
l.c.l., lb. .45 • —
**36-4, c.l., same basis** lb. .40 • —
l.c.l., same basis lb. .40½- —
**50-5, c.l., same basis** lb. .25 • —
l.c.l., same basis lb. .25½- —
**92-5, c.l., same basis** lb. .25 • —
l.c.l. lb. .25½- —
**99-4-60, c.l., same basis** lb. .24½- —
l.c.l. lb. .25 • —
**99-5, c.l., same basis** lb. .24½- —
l.c.l. lb. .25 • —
**310-5, c.l., same basis** lb. .21 • —
l.c.l. lb. .21½- —
**330-5, c.l., same basis** lb. .21½- —
l.c.l. lb. .22 • —
**387-5, c.l., same basis** lb. .19¾- —
l.c.l. lb. .20¼- —
**412-1, c.l., same basis** lb. .17 • —
l.c.l. lb. .17½- —
**435-1, c.l., same basis** lb. .17 • —
l.c.l. lb. .17½- —
**728-5, c.l., same basis** lb. .23 • —
l.c.l. lb. .23½- —
**729-5, c.l., same basis** lb. .19 • —
l.c.l. lb. .19½- —
**731-5, c.l., same basis** lb. .24¾- —
l.c.l. lb. .25¼- —
**775-1, c.l., same basis** lb. .19 • —
l.c.l. lb. .19½- —
**775-4, c.l., same basis** lb. .27 • —
l.c.l. lb. .27½- —
**784-1, c.l., same basis** lb. .22½- —
l.c.l. lb. .23 • —
**807-1, c.l., same basis** lb. .21 • —
l.c.l. lb. .21½- —
**811-1, c.l., same basis** lb. .19 • —
l.c.l. lb. .19½- —
**823-1, c.l., same basis** lb. .20 • —
l.c.l. lb. .20½- —
**868-1, c.l., same basis** lb. .26 • —
l.c.l. lb. .26½- —
**869-1, c.l., same basis** lb. .31 • —
l.c.l. lb. .31½- —
**872-1, c.l., same basis** lb. .19½- —
l.c.l. lb. .20 • —
**873-1-70, c.l., same basis** lb. .19½- —
l.c.l. lb. .20 • —
**1102-5, c.l., same basis** lb. .23 • —
l.c.l. lb. .23½- —
**solid, 99, c.l., same basis** lb. .40½- —
l.c.l. lb. .41 • —
**X-315, c.l., same basis** lb. .36½- —
l.c.l. lb. .37 • —
**869, c.l., same basis** lb. .43 • —
l.c.l. lb. .43½- —

Tankcar shipments, where applicable, are priced 1c. per lb below c.l. quotations.

## S

**SANTOLITE MHP, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis** lb. .35 • —
25,000-lb. lots, same basis lb. .36 • —
5,000-lb. lots, same basis lb. .37 • —
1,000-lb. lots and less, same basis lb. .38 • .40
**MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis** lb. .35 • —
5,000-lb. lots, same basis lb. .36 • —
1,000-lb. lots and less, same basis lb. .36½- .41½
**SARAN F-120 resin, c.l., works** lb. .52 • —
l.c.l., same basis lb. .54 • —

Tankcar price is 1c. per lb. less than carload price. Freight is not paid or allowed to points south of Virginia and Kentucky, or west of the Mississippi River, excepting cities of St. Louis and Minneapolis. If shipments are specified by transportation means with rates in excess of minimum, the excess transportation will be charged to customer.

**SILENE** (see Calcium silicate hydrated under C in Current Market Quotations).

**STAYBELITE ester, No. 5, non-ret. dms., c.l., f.o.b. customer's siding, zone 1** lb. .20 • —
l.c.l., same basis lb. .20½- —
No. 10, c.l., same basis lb. .20 • —
l.c.l., same basis lb. .20½- —
No. 2043-66, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 • —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

**STRESEN-REUTER resins, 5511-1, dms., c.l., frt. alld., zone 1.** lb. .21 • —
l.c.l., same basis lb. .21½- —
**5513-1, dms., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**5515-1, dms., c.l., same basis** lb. .16¾- —
l.c.l., same basis lb. .17¼- —
**5523-1, dms., c.l., same basis** lb. .26½- —
l.c.l., same basis lb. .27 • —
**5525-1, dms., c.l., same basis** lb. .12½- —
l.c.l., same basis lb. .13 • —
**5526-1, dms., c.l., same basis** lb. .12½- —
l.c.l., same basis lb. .13 • —
**5530-1, dms., c.l., same basis** lb. .18½- —
l.c.l., same basis lb. .19 • —
**5544-1, dms., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 • —

Prices are f.o.b. Chicago, Ill., with minimum freight allowed to destination in zone 1, which includes the Midwestern states. For zone 2, which includes the Eastern and Southern states, add 1½c. per lb. to the above prices. Ten-drum lots are ¼c. per lb. higher than c.l. prices above, while tankcar quantities are ¼c. per lb. below c.l. listings.

**STYRESOL resins, 4250, dms., incl., c.l., dlvd, zones 1 and 2** lb. .23 • —
l.c.l., same basis lb 23½- —
**4400, dms. incl., c.l., same basis** lb. .23 • —
l.c.l., same basis lb. .23½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

**SUPER-BECKACITE resins, 1001, dms. incl., c.l., dlvd., zones 1 and 2** lb. .34 • —
l.c.l., same basis lb. .34½- —
**1003, dms., incl., c.l., same basis.** lb. .32 • —
l.c.l., same basis lb. .32½- —
**2000, dms., incl., c.l., same basis.** lb. .30 • —
l.c.l., same basis lb. .30½- —
**2100, dms. incl., c.l., same basis.** lb. .22 • —
l.c.l., same basis lb. .22½- —
**3011, dms. incl., c.l., same basis.** lb. .33 • —
l.c.l., same basis lb. .33½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb to the l.c.l. listing.

**SUPER-BECKAMINE resins, 3501, dms. incl., c.l., dlvd., zones 1 and 2** lb. .30 • —
l.c.l., same basis lb. .30½- —
**3515, dms. incl., c.l., same basis** lb. .34 • —
l.c.l., same basis lb. .34½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

**SYNARYL resins, 109-A, dms. incl., non-ret., c.l., dlvd. zone 1** lb. .18½- —
l.c.l., same basis lb. .19 • —
**121, dms. incl., non-ret., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 • —
**134, dms. incl., non-ret., c.l., same basis** lb. .19½- —
l.c.l., same basis lb. .20 • —
**155, dms. incl., non-ret., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**234, dms. incl., non-ret., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**235, dms. incl., non-ret., c.l., same basis** lb. .19 • —
l.c.l., same basis lb. .19½- —
**SYNTEX resins, H-3, 100% solids, non-ret. dms., c.l., f.o.b., Louisville, Ky** lb. .20 • —
l.c.l., same basis lb. .20½- —
**9 (or 1922), 50% solids, non-ret. dms., c.l., same basis** lb. .21½- —
l.c.l., same basis lb. .22 • —
**H-12, 50% solids, non-ret. dms., c.l., same basis** lb. .23 • —
l.c.l., same basis lb. .23½- —
**16, 60% solids, non-ret. dms., c.l., same basis** lb. .27¼- —
l.c.l., same basis lb. .27¾- —
**19-B, 50% solids, non-ret. dms., c.l., same basis** lb. .26 • —
l.c.l., same basis lb. .26½- —
**23, 50% solids, non-ret. dms., c.l., same basis** lb. .23 • —
l.c.l., same basis lb. .23½- —
**23-5D, 50% solids, non-ret. dms., c.l., same basis** lb. .19¼- —
l.c.l., same basis lb. .19¾- —

SYNTEX resins, 26, 50% solids, non-ret. dms., c.l., same basis, lb. .18½- —
l.c.l., same basis lb. .19 - —
38, 65% solids, non-ret. dms., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
32, 50% solids, non-ret. dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
40, 70% solids, non-ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
54, 30% solids, non-ret. dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
55, 50% solids, non-ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
56, 70% solids, non-ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
60A, 70% solids, non-ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
70, 65% solids, non-ret. dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
115, 45% solids, non-ret. dms., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17 - —
121, 50% solids, non-ret. dms., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
128, 60% solids, non-ret. dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
130, 50% solids, non-ret. dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
131, 40% solids, non-ret. dms., c.l., same basis lb. .16 - —
l.c.l., same basis lb. .16½- —
133, 50% solids, non-ret. dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
1979, 30% solids, non-ret. dms., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25 - —

Prices are f.o.b. point of manufacture, freight prepaid and allowed to all destinations in the U.S.A. except the states of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

For shipments to the states listed above add ¾c. per pound to the l.c.l. price; for carloads add ½c. to the carload price.

Syntex Resins and Solutions may be assorted to get quantity price. For shipment in five-gallon pails, add 2c. per pound.

SYNTHE-COPAL resins, high acid, dms. incl., c.l., dlvd., zones 1 and 2 lb. .14¼- —
l.c.l., same basis lb. .14¾- —
Low acid, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1202, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1204, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1210, dms. incl., c.l., same basis lb. .12¾- —
l.c.l., same basis lb. .13¼- —
P-251, dms. incl., c.l., same basis, lb. .16¾- —
l.c.l., same basis lb. .17¼- —
P-261, dms. incl., c.l., same basis, lb. .16¼- —
l.c.l., same basis lb. .16¾- —
P-377, dms. incl., same basis lb. .11 - —
l.c.l., same basis lb. .11½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. P-377 is available in tankcar quantities at 1c. per lb. below the c.l. quotation. For less-than-full-drum amounts of this material, add 2c. per lb. to the l.c.l. listing. Other grades in less-than-full-drum are 3c. per lb. higher than the l.c.l. price.

SYNVARITE resins, POS-50, dms., c.l., minimum frt. alld lb. .32 - —
l.c.l., same basis lb. .32½- —
POS-55, dms., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .34½- —
POS-56, dms., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .34½- —
SYNVAROL resins, BX, dms., c.l., minimum frt. alld lb. .26 - —
l.c.l., same basis lb. .26½- —
BX-5, dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —

## T

TEGLAC, 15, dms., c.l., frt. alld. E. lb. .24½- —
l.c.l., same basis lb. .25 - —
127, c.l., frt. alld lb. .21 - —
l.c.l., same basis lb. .21½- —
128, c.l., frt. alld lb. .20½- —
l.c.l., same basis lb. .21 - —
Z-152, c.l., frt. alld lb. .19 - —
l.c.l., same basis lb. .19½- —
161, c.l., frt. alld lb. .18½- —
l.c.l., same basis lb. .19 - —
164, c.l., frt. alld lb. .20 - —
l.c.l., same basis lb. .20½- —

## V

VALITE 7796-D, bgs., c.l. (80,000 lbs. and over), f.o.b. Lockport, La lb. .1640- —
20,000 lbs. to 79,999 lbs., same basis lb. .17 - —
less than 20,000 lbs., same basis lb. .18 - .20
8123, dms., c.l., (36,000 lbs. and over), same basis lb. .12½- —
9,000 to 35,999 lbs., same basis lb. .13 - —
less than 9,000 lbs., same basis lb. .14 - .18

Resin 8123 prices are based on alcohol solution of approximately 60% net resin content, but will be correspondingly adjusted for any variations therefrom.

VANADISET resins, grade, A&B, 240-255° F. m.p., whse lb. .028 - .052
C, 315-340° F. m.p., whse lb. .022 - .050
D, 170-180° F. m.p., whse lb. .030 - .055
MR, 260-270° F. m.p., whse lb. .024 - .050
pulverized, whse lb. .064 .090
solution, whse lb. .19 .40
VELSICOL AB-11-2, non-ret. dms., c.l., f.o.b. Marshall, Ill lb. .11¼- —
l.c.l., same basis lb. .11½- —
AD-6-3, non-ret. dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14½- —
AD-6-7, non-ret. dms., c.l., same basis lb. .11½- —
l.c.l., same basis lb. .12 - —
AD-10, non-ret. dms., c.l., same basis lb. .09 - —
l.c.l., same basis lb. .09½- —
Solutions, AB-200, non-ret. dms., c.l., same basis lb. .09⅞- —
l.c.l., same basis lb. .10¾- —
tanks, same basis lb. .08½- —
AB-201-S, non-ret. dms., c.l., same basis lb. .10¾- —
l.c.l., same basis lb. .11¼- —
tanks, same basis lb. .09½- —

VELSICOL, solutions, AD-660, non-ret. dms., c.l., same basis, lb. .11⅜- —
l.c.l., same basis lb. .12⅛- —
tanks, same basis lb. .10⅛- —
AD-670, non-ret. dms., c.l., same basis lb. .12¾- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .11¼- —
VINSOL resin, c.l., f.o.b. works, lb. .04½- —
1,000 lbs., same basis lb. .05½- —
500 lbs. to 950 lbs., same basis, lb. .06 - —
less than 500 lb., same basis, lb. .08½- —
Vinyl acetate resin, AYAA, AYAC, AYAF, AYAT, paper bgs., c.l. (30,000 lbs.), dlvd lb. .40 - —
2,000 to 29,999 lbs., same basis lb. .43 - —
200 to 1,999 lbs., same basis lb. .45 - —
1 to 199 lbs. same basis lb. .60 - —
Butyral resin, XYHI, XYSG, ake, paper bgs., c.l. (30,000 lbs.), same basis lb. 1.01 - —
10,000 to 29,999 lbs., same basis lb. 1.03 - —
200 to 9,999 lbs., same basis lb. 1.04 - —
1 to 199 lbs., same basis lb. 1.21 - —
Chloride resin, QYNA, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .34 - —
10,000 to 29,999 lbs., same basis lb. .36 - —
200 to 9,999 lbs., same basis lb. .37½- —
1 to 199 lbs., same basis lb. .54 - —

Vinyl chloride-acetate resin, VMCH, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .40 - —
10,000 to 29,999 lbs., same basis lb. .42 - —
200 to 9,999 lbs., same basis lb. .43½- —
1 to 199 lbs., same basis lb. .60 - —
VYCM, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .39 - —
10,000 to 29,999 lbs., same basis lb. .41 - —
200 to 9,999 lbs., same basis lb. .42½- —
1 to 199 lbs., same basis lb. .59 - —
VYDR, VYHH, VYLF, VYNU, VYNV, VYNW, VYNY, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .34 - —
10,000 to 29,999 lbs., same basis lb. .36 - —
200 to 9,999 lbs., same basis lb. .37½- —
1 to 199 lbs., same basis lb. .54 - —
VYNS, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .45 - —
10,000 to 29,999 lbs., same basis lb. .47 - —
200 to 9,999 lbs., same basis lb. .48½- —
1 to 199 lbs., same basis lb. .65 - —
Dispersion resin, NV-3, paper bgs., c.l. (30,000 lbs.), same basis lb. .37 - —
10,000 to 29,999 lbs., same basis lb. .39 - —

Vinyl dispersion resin, NV-3, paper bgs., 200 to 9,999 lbs., same basis lb. .40½- —
1 to 199 lbs., same basis lb. .57 - —

When more than one grade of resin is required, the price of a combination shipment is determined by the total amount of resin released in a single shipment against a single order when all the resins are produced at and shipped from the same plant. For vinyl acetate, vinyl chloride and vinyl chloride-acetate resins, add 5c. per lb. for less than standard bag quantities.

VINYLITE resin, AYAB, solution 70, 69-72% by weight in acetone, non-ret. dms., dm. lots, same basis gal. 4.65 - —
less dm. lots, same basis gal. 5.25 - —
AYAF, solution 35, 35% by weight in acetone, non-ret. dms., dm. lots, same basis gal. 2.25 - —
less dm. lots, same basis gal. 2.75 - —
Alcohol-acetate resin, solution MA-28-14, MA-28-18, 28% by weight in 82% methyl acetate, non-ret. dms., 20-dm. lots, same basis gal. 2.25 - —
dm. lots, same basis gal. 2.55 - —
less dm. lots, same basis, gal. 2.90 - —
solution T-24-9, 24.5% by weight in toluene, non-ret. dms., 20-dm. lots, same basis gal. 2.10 - —
dm lots, same basis gal. 2.40 - —
less dm. lots, same basis, gal. 2.75 - —

Packing charge of $1 per gal. for one-gal. containers. Five-gal. cbys. returnable.

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## *Health Must Be Served*

The hopper of the congressional mill at present contains in its heavy, heterogeneous grist a variety of schemes designed to improve the health of the people of the nation, or at least to provide agencies with such a purpose. A comparative analysis of even the three major programs thus situated would require much more time than Congress intends to allot for the current session. To mean anything, it would require far more ability than possibly could be found in Congress, far different ability than that available in the conflicting camps of health-helpers. And any eventuating statute would be far from intelligible to even the best-intentioned administration, far from financially possible, and very far from practicable usefulness in relation to its purported objectives. The solution of the problem of improving the medical care of the people must start with the people. The only logical or justifiable role of government is in the implementing of the services which the people desire.

But, the people must, at this time and in every place, take up earnestly and vigorously the solution of their problem of health care. They cannot afford to leave it to government. They will merely make things worse—if that be possible—by becoming antipathetic where they now are but apathetic.

The people of this country, it is frequently asserted, have the best medical care of any people in the world. As in all other relativities, that superiority is a matter of averages. There are many communities in this country in which the available medical care is poor. Even in the better equipped communities, the available medical care falls far short of what it should be. About a week ago, an infant died in a hospital in New York city because it took more than six hours to locate an iron lung and to get it even by special police transportation to the hospital from one in New Jersey. Because there was no incubator ambulance available in Brooklyn, a prematurely born infant died a few weeks ago before it could be got to a hospital with incubator facilities—in Jamaica. Efforts to get an incubator ambulance from Manhattan were not successful in time.

In the light of such events—and they are not exceptional, as any reader of a New York newspaper knows—can it be said that medical care, even in the large cities, is what it should be?

Why has not the remedying of such inadequacies been effected? Why are hospitals obliged annually to make pleas for funds? Why do many places have not even an excuse for a hospital? What can be done to add to the number of physicians available to the people as a whole? That is one of the biggest aspects of the problem of medical care. It is something which will block any governmental or private plan of health insurance or group medical service. The overall supply of physicians is not adequate to the people's needs. The number available are not so distributed as to provide the potential service. That is another problem which cannot be solved legislatively under fundamentally democratic principles.

The people of the United States must be educated to the proper appreciation of their duty with respect to their health. They must be shown what is necessary, and why. They then must be enlisted in a campaign for their own benefit—one of the most difficult undertakings in all human endeavor. It is highly desirable that their response be voluntary. Compulsory methods have no place in democracy. It is an evidence of a shortcoming in that form of government that schooling is statutorily prescribed, and vaccination, and traffic regulation. A people gets the sort of government it wants. That want is not always, in truth, not very often, directly expressed. But, it must be inferred from what clearly is a need. That government must be paid for.

A movement is under way to form a national organization of business and professional men with a purpose of averting the nationalization of the practice of medicine in this country by the developing and implementing of a constructive plan for better national medical care. That movement must be pushed, as soon as the obvious difficulties of its launching have been surmounted. It is to be expected—and devoutly to be hoped—that politics will so tangle the congressional web of health-helping that not even a compromise scheme will be approved. That will give time for the construction and inauguration of a private, voluntary plan, something which must be done. Then can Congress be approached in the inevitable necessity that Federal funds must be provided to fill up the holes which cannot be reached by any other means. Private endeavor has been far too long deferred in the field of general health service. It is faced with the necessity of making up for lost time ar losing an important privilege for all time.

## *USP Getting Own Home*

For something more than a century and a quarter, the Pharmacopeia of the United States has been "manufactured" in "leased" plants. These have been of many sorts and in many places—a condition which, of course, is inseparable from the variety of tasks which USP revision entails. Most of the laboratory work has, of necessity, been done with the facilities of the related industries. That, again, is necessary and, in many ways, most desirable.

The headquarters of USP revision always have been privately furnished, sometimes at some slight cost; sometimes as a generosity. They have been in seaside cottages and what have been called "collegiate outhouses." The location has not interfered with the doing of a good job.

But, it is highly fitting that the Pharmacopeia of the United States should have a home in keeping with its importance. So, it is gratifying to learn that the trustees have purchased a very suitable building in New York city, where the idea of a national pharmacopeia was conceived by Dr. Lyman Spalding in January, 1817. The first general convention was in Washington in 1820, and the first edition of the pharmacopeia was published that year in Boston.

The proposed USP home is a fine building, procured at a price which would be a bargain even in days of far less real estate inflation than these. It is conveniently located and is adaptable to very convenient and efficient equipment. The manufacturing of the pharmacopeia is not a profitable business. So, the financing of the new home must have some help from the friends of the principles and purposes of pharmacopeial revision. It is a worthy cause. Particularly does it deserve prompt and gracious response, because it will be well that the Pharmacopeia of the United States be strongly entrenched as a matter of broadly cooperative private interest and enterprise by the time that the blueprinting of a Department of Health of the United States shall have got around to functional details.

## *Washington Talks It Over*

—*Continued from page 5*

Senator Robert Taft of Ohio. Senator James Murray of Montana noted that the Republican bill would provide free tax-paid medical care to 20 percent of the population and commented that it "would seem obvious that such a program would quickly lead to a completely sovietized system of medicine in the United States."

Similar arguments have been made against compulsory health insurance. It isn't likely that both sides can be right on this issue, and the fact that opposing sides are resorting to name-calling this early in the controversy gives some idea of the uncompromising feeling that exists and raises the question of whether the issue will ever be dealt with on its merits.

### Synthetic Fats Present Problems

The Food and Agricultural Organization, in its search for ways and means of overcoming the world shortage of fats and oils, has delved extensively into the subject of synthetic "fats," which are now beginning to engage the attention of some Federal legislators who are fearful that they may displace the market for the natural product and who also are critical of their possible physiological effects on humans.

FAO found that, so far as the overall effects of feeding synthetic fats is concerned, the picture is not yet clear; conclusions of the various authors range from unbridled enthusiasm to complete disparagement. Most of the experiments were carried out in Germany, it states, and reports are often obviously colored by political considerations. The manufacture of synthetic fats for human consumption was regarded by the Nazis as a triumph of German science, and it enjoyed special official approval and support. As a consequence, unfavorable results tended to be suppressed by the workers concerned, or publication.

The conclusion of FAO is that it would be clearly premature to advocate the large-scale manufacture of synthetic fats for human consumption, pending the collection of more complete and satisfactory experimental and clinical data. But since Germany is short of fats, it would be advantageous to encourage the manufacture of the synthetic product in that country for industrial purposes.

### Business Census Started

The Bureau of the Census has established 203 field offices for the census of business for the year 1948, and has started test canvassing in four cities, Houston, St. Louis, Philadelphia, and San Francisco. This census is the first of its kind since 1939 and will cover wholesale, retail, and service establishments. It will not get underway fully until Congress makes the necessary appropriations.

The census of business if rigidly confidential. The law provides that individual figures or other confidential information obtained by the canvass cannot be revealed to any person or agency, even in the Federal government. It cannot be used for regulation, investigation, or taxation. Heavy fines can be imposed upon any person connected with the taking of the census convicted of disregarding the confidential character of the information.

The 1948 census will be an up-to-date reflection of business in all sections of the country, and will be especially important because of the economic changes since 1939. Preliminary reports are expected to be issued the latter part of this year. Preliminary reports on the census of manufactures for 1947 are now beginning to come through.

### Oil Refiners Bogged Down

The government is being asked again to bail out a group of small independents in the oil industry, who have been caught in the meshes of the changing supplies and demands for oil. And the irony of it is that the situation in which the independents find themselves grows directly out of help intended for them under the O'Mahoney changes in the mineral leasing laws that were enacted by Congress several years ago to aid small businesses.

During the shortage of crude oil a year or so ago, a number of small, independent refiners found themselves without crude supply sources and facing the prospect of having to shut down. To prevent this, the Interior department availed itself of the O'Mahoney amendments to supply these refiners with royalty oil at premiums above posted prices. Contracts were entered into running over long periods, and they would have been helpful except for one thing. Supplies of crude suddenly became more than adequate, and the independents now find themselves stuck with having to pay premium prices.

The situation is similar, except in reverse, to that which developed during the closing days of OPA. At that time, the government contracted to buy oil from small suppliers at OPA ceilings, but, before the contracts could be filled, ceilings were lifted and the suppliers found themselves having to supply the oil at contract prices less than they had to pay for the oil on the market. Legislation to bail them out was passed last year.

A bill to grant relief to the refiners in the present difficulty is now pending in the senate. One interesting sidelight on this situation is that, at the time Interior entered into the premium contracts, it didn't realize that such contracts were inflationary, and while the White House was trying to talk prices down, Interior was pushing them up. The department finally caught on to this fact last February and stopped the making of premium contracts, but that hasn't helped the independents who were already under contract. These are the ones to be helped under the pending bill.

### Naphthas Kill Water Weeds

Alert observation by experimenters of the departments of Agriculture and Interior led to a discovery recently that promises to save money for farmers and industry in keeping down flow-retarding weeds in irrigation canals.

Several tests of 2,4-D preparations did not prove very effective, but one proprietary 2,4-D compound did a good job. This suggested that something in the compound, other than 2,4-D, might be doing the killing of the water weeds. It turned out to be a coaltar naphtha used as a carrier for the 2,4-D. The naphtha was doing nearly all the weedkilling.

The experimenters than tested a petroleum naphtha. This also was found to be a good weedkiller in the ditches—and it costs only about one-tenth as much as the chemicals that have been in use.

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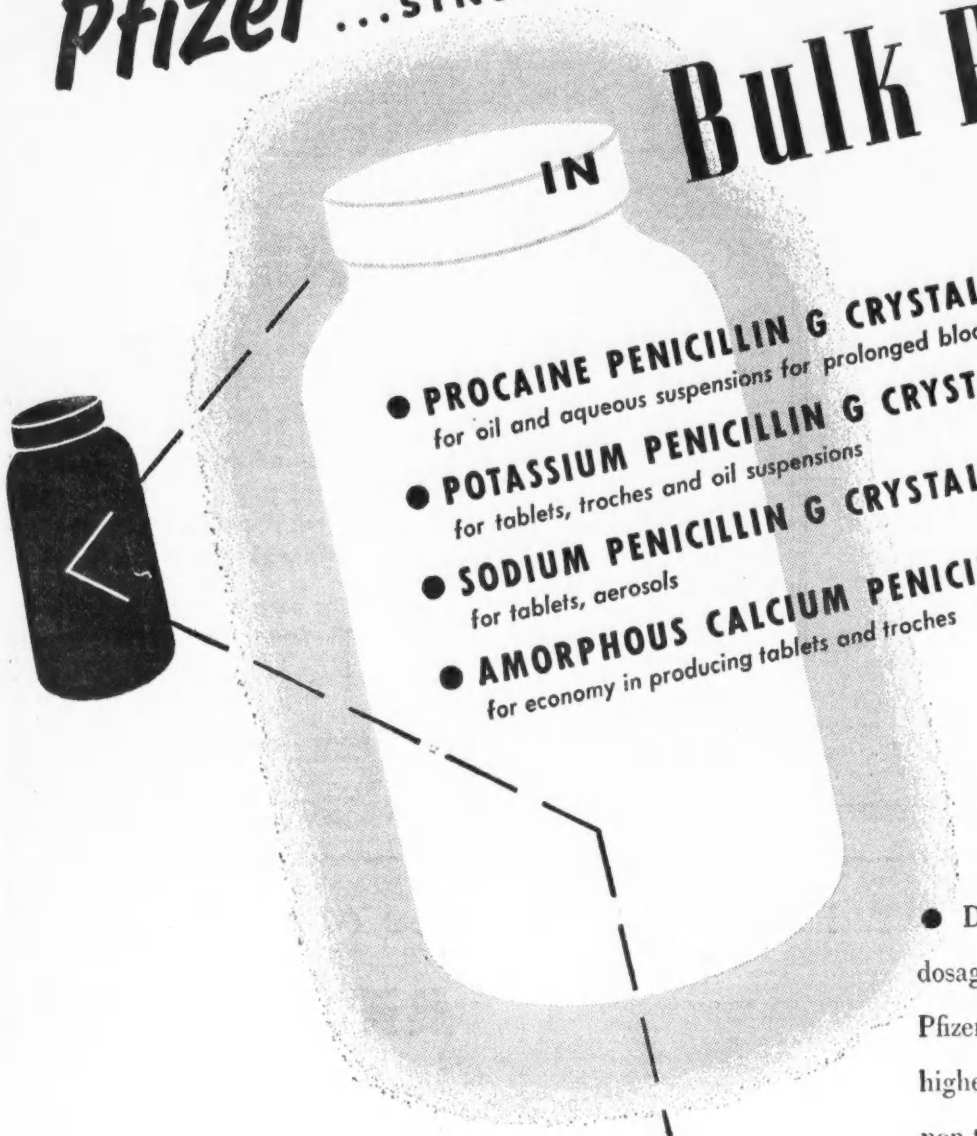

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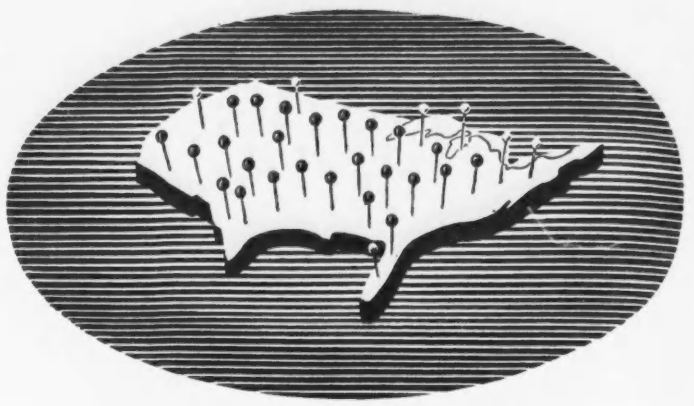

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# Heavy Chemicals

Monochloroacetic acid prices were reduced last week. The decline was the result of lower producing costs occasioned by the late downward revision in the glacial acetic acid market. Suppliers of the commercial lower strength acetic acids are reducing their prices also but the announcement has been delayed. Prime western zinc gave way to a moderate decline late in the week which was not a surprise to the trade. Meanwhile, buying interest in zinc based chemicals has slowed down with consumers content to await developments. No further change in copper sulphate prices was announced and it was stated that current quotations are based upon a 19c. copper market. The copper, lead and zinc markets have remained exceedingly quiet with no signs of permanent stability disclosed during the past week.

Buying interest in heavy chemicals is not of an aggressive character at present and it has not been necessary to push capacity at producing plants. Stocks, were free at the beginning of the month. The latest group to join this class being the nickel based chemicals. Delayed shipments of nickel sulphate which have featured the market over the past few months are now coming through on time and this with practically every other nickel chemical could have been purchased for prompt shipment at the close of the period under review.

Demand for potassium chlorate has been kept down by a price war in the match industry and it is stated that some match factories have closed down temporarily. Stocks of caustic soda, chlorine and soda ash remained adequate to meet current requirement. Inventories of sodium chlorate built up during the Winter months for weed-killer use have been substantially reduced. Quicksilver prices were easy with not enough demand to really test the market.

Paper production based on a percentage of six-day capacity was 82.3 percent for the week ending April 23, according to the American Pulp and Paper Association. This compared with 88.3 in the preceding week and 102.5 for the corresponding week in 1948.

*Production figures appearing below, unless otherwise designated are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.*

**Ammonia, Anhydrous**—Tankcars are not in over free supply, but there appeared to be plenty of cylinders to meet the current demand. February production of synthetic amounted to 90,917 tons, compared with 99,057 in the preceding month and 90,550 in February, 1948.

**Ammonia, Aqua**—Supply situation has eased during the past month, and buyers are not experiencing much difficulty in covering requirements at the present time. It is stated that the edge is off demand and that backlog orders have been leveled off.

**Bauxite**—British Guiana, with 1948 production of bauxite at 1,873,166 long tons, was the world's leading bauxite producer, the Department of Commerce reports. Total 1948 output was exported; 93 percent went to Canada and the remainder was divided among certain other countries, including the United States.

**Calcium Carbide**—Production dropped to 56,480 tons of commercial in February from 61,918 tons in the preceding month. Output in February, 1948, was 55,006 tons.

**Calcium Chloride**—Inquiry from municipalities has increased without having any important reflection in the market supply. Prompt shipments remained available at former prices.

**Carbon Bisulphide** — February production was down from the preceding month. The total was 31,911,353 pounds, against 36,786,734 in January and 30,733,296 in February a year ago.

**Carbon Dioxide** — Production of liquid and gas in February totaled 16,898,000 pounds, compared with 18,871,000 in January and 17,274,000 in February, 1948. Output of solid, dry ice, was 41,285,000 pounds in February, compared with 41,500,000 in January and 42,030,000 for February, 1948.

**Carbon Tetrachloride** — Stocks meeting requirements. Demand fair, with small lot sales predominating. February production amounted to 17,911,977 pounds, compared with 18,537,625 in the preceding month and 17,740,263 in February last year.

**Chlorine**—Supplies remained fairly free at the beginning of the month. Stocks were not as liberal as in soda ash or caustic soda, but buyers did not find it difficult to book prompt shipments in either cylinders or tankcars. An increase in demand for water processing is expected to develop before the end of the month.

**Copper Sulphate**—Sales for agricultural use have shown a substantial increase following the recent reductions in prices. It was stated that the downward revision was the greatest single cut in quotations registered in 20 years. According to trade reports, the current market for sulphate is based on a possible 19c. copper market. Industrial demand has not picked up to any appreciable extent and it is believed that the consuming trade is still drawing down inventories. Export sales were practically nil. Official permission has been given the Italian Ministry of Foreign Trade for the importation of £50,000 worth of British copper sulphate before May 15.

**Glauber's Salt** — February production was moderately lower with a total of 13,649 tons, compared with 14,718 in the preceding month and 15,654 in February last year. Buying conditions have remained favorable both for immediate and prompt shipments.

**Nickel Sulphate** — Market conditions changed sharply last week when it became apparent that backlog orders had been leveled off and producers were again in a position to accept additional business for prompt shipment. At the close stocks were relatively free with the edge off the plating demand. This condition appeared to be the same in about all the other nickel based chemicals.

**Potash, Caustic**—Buying interest not unusually active last week. The principal demand is said to come from the soap trade and shipments of liquid have continued of fair dimensions. Solid, flaked and other dry forms remained relatively quiet with the chemical trade operating for current wants.

**Potassium Carbonate**—Shipments to the glass specialty trade are fairly well maintained but both calcined and hydrated were available for prompt shipment. Demand for liquid remained light with the textile trade showing relatively little attention at the present time.

**Potassium Chlorate**—Demand has continued fair although shipments are still running below the usual seasonal average. It was stated that the current demand has been modified because of a price war in the match industry which has resulted in some of the match factories suspending operations. It is reported that prices for matches have declined from $5.25 per case to $3.25, which is below the price named in 1939.

**Potassium Perchlorate** — Supply situation in better shape but market situation for domestic material not entirely in balance. Producers can consider additional orders for prompt shipment.

**Salt Cake**—No additional price changes have developed in this market. Buying interest is moderate from the kraft paper mills and the glass factories while stocks have continued available for prompt shipment. February production of crude commercial was 53,890 tons, compared with a revised total of 57,785 for the preceding month and 48,538 for February 1948.

**Soda Ash**—Consuming demand has not been of a character to tighten the supply situation. Requirements of the glass, paper, chemical and other consuming industries have been satisfied readily and there appeared to be plenty of material for export. Prices for carlot shipments have remained steady while competition has caused some irregularity in l.c.l. quantities.

**Soda, Caustic**—Shipments against consumer contracts accounted for most of the week's movement. New business con-

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Monochloroacetic acid, 1c. per lb.
Zinc, prime western, ½c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

*General Chemicals*

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 228.9 | 228.9 | 232.2 | 208.3 |

*Acids*

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 122.0 | 122.0 | 122.8 | 119.9 |

*(For Current Prices see Page 9)*

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tinued relatively quiet with stocks of dry and liquid forms fully capable of meeting home and export requirements readily.

A new electroyltic alkali plant at Sarnia, Quebec, Canada, has begun production and expects to operate at capacity this month. Most of the output of chlorine will be used locally, it is said.

**Sodium Chlorate**—Buying interest for weed-killing uses has been sustained at a level somewhat higher than expected. Producers had built up inventories during the Winter to take care of this trade and these stocks have now been substantially reduced. Prompt shipments were still available but the market's supply situation was not as free as noted earlier in the year.

**Sodium Phosphates** — Monobasic production in February was placed at 889 tons, compared with 1,120 tons in January and 829 in February, 1948. Dibasic output was 10,400 tons in February against 11,407 in the preceding month and 6,063 in February last year. Production of tribasic in February was 5,815 tons, compared with 6,679 in January and 6,759 in February last year.

**Sodium Silicate**—Production including soluble silicate glass, liquid and solid amounted to 31,683 tons in February, against 35,914 in January and 44,090 in February, 1948.

**Sodium Sulphate** — Anhydrous refined production in February was 12,628 tons, compared with 16,596 in the preceding month and 12,256 in February, 1948.

**Zinc Sulphate** — Buyers were not inclined to purchase this chemical last week. The trade is looking for a downward revision in prices in accordance with the late decline in the metal. According to trade reports, a revision may be made shortly, the time depending upon developments in the metal market.

## Acids

**Acetic** — February production of synthetic amounted to 32,884,584 pounds, compared with a revised output to 39,021,713 pounds in the preceding month and 30,544,594 in February, 1948. Recovered acid in February totaled 125,093,348 pounds, against 136,608,315 pounds in January and 126,085,765 in February, 1948. Production of natural was 1,854,174 pounds in February, compared with 2,344,605 pounds in January and 2,079,052 in February last year.

**Chromic** — Buyers have not found much difficulty in securing this material at the present time. Demand has relaxed for plating uses to some extent and backlog orders have been leveled off. Prompt shipments were available at former price levels.

**Oxalic** — Relaxation in consuming demand and increased production have brought the market situation into balance. Stocks are not too free for export but domestic requirements have been satisfied without difficulty, which is about the re-

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verse of market conditions at the beginning of the year.

**Monochloroacetic**—Priced lower as a result of reduced producing costs occasioned by the recent decline in glacial acetic acid. Purified is now quoted at 22½c. to 23½c. per pound and technical at 18c. to 19c., works, freight equalized with recognized competitive points.

**Phosphoric**—Stocks have met requirements promptly and the market situation has continued in balance. February production amounted to 107,335 tons, including 59,008 tons made from phosphorus and 48,327 made from phosphate rock. The January total was revised to 112,257 tons and in February, 1948, output registered 90,601 tons.

**Sulphuric** — Market conditions have shown no important change. While some producers have their output temporarily under contract, others are in a position to take on additional business for immediate or prompt shipment.

## Non-Ferrous Metals

**Copper**—Buying interest continued at a low ebb last week. Electrolytic was unchanged at 20c. per pound delivered Valley basis with the brass and wire mills as well as other consumers apparently satisfied to withhold operations and await new developments in the metal. According to trade reports, the feeling is not too strong at the current level and it was asserted that additional inducements might have to be made to stimulate demand.

**Lead**—Small lot purchases at 15c. New York were about the best that could be said of this market. It was stated that consumers are still drawing down inventories and prefer to await future developments in the market.

In 1948 the total mine production of recoverable lead in the United States (including that made into pigments) was 386,932 short tons, compared with 384,221 tons in 1947, according to the Bureau of Mines. In practically every state except Missouri and California mine output showed substantial increases over 1947. Percentagewise the greatest increase among the chief lead-producing areas occurred in Colorado where mine output gained 34 percent. Nevada increased 32 percent, Washington 24, states east of the Mississippi 16, New Mexico 14, Utah 13, and Idaho 12. In Montana production rose 8 percent and Arizona had a 2 percent gain.

Preliminary data based upon reports from producers covering eleven months' actual output plus an estimate for December indicate that 469,000 tons of refined lead and 102,607 tons of antimonial lead were produced at primary refineries in 1948, an increase of 3 percent and 19 percent, respectively over 1947. Antimonial lead output at primary refineries in 1948 reached the highest level in history. Recovery of lead from scrap at secondary smelters dropped to an estimated 406,200 tons in 1948 compared with 439,852 in 1947.

**Quicksilver**—Buying interest remained exceedingly quiet with only a few small lots changing hands. Consumers have been satisfied to draw against inventories which, according to trade reports, appear to be rather large. The price range was from $83 to $86 per flask depending upon the quantity and seller.

*San Francisco*—The quicksilver market was quiet here last week. Prices were steady, market fairly tight. Producers were quoting metal at $87 per flask, f.o.b. this city.

**Silver** — Market situation remained steady and without quotable change in prices during the past week. The official closing price for silver bullion in New York was 71½c. per ounce.

| | Per ounce | |
|---|---|---|
| | New York | London |
| High | Feb. 14, 1949—71½c. | Feb. 14, 1949—43½d. |
| Low | Jan. 1, 1949—70c. | Jan. 1, 1949—42½d. |

**Zinc**—Prime western was reduced ½c. per pound to a level of 12½c., East St. Louis. No appreciable improvement could be noted in the consuming demand and the market situation remained definitely quiet. Some cutback in production was reported in the tri-state district.

The average daily rate of zinc production from domestic mines increased 13 percent in February to reach the highest level since June 1947, according to the Bureau of Mines. February zinc output, in terms of recoverable metal, was 53,332 short tons, an average of 1,905 tons per day, compared with 52,036 tons in January produced at an average of 1,679 tons per day. February zinc mine output in states east of the Mississippi River was virtually unchanged from January and the average monthly production in 1948. In Arkansas, Kansas, Missouri, and Oklahoma the combined February output increased 19 percent following the production slump in January caused by severe winter weather.

## Celanese Appoints Three West Coast Distributors

The Celanese Corporation of America has completed arrangements with three firms to handle the distribution of its organic chemicals on the west coast. Mefford Chemical Company, Los Angeles, will distribute the materials in southern California and Arizona, and L. H. Butcher Company, San Francisco, and Carl F. Miller & Co., Seattle, will distribute in their respective territories.

### Monsanto Publishes Bulletin

A bulletin describing "Aroclor 1248," a nonflammable, noncorrosive and economical hydraulic fluid for metal diecasting systems, is now available from Monsanto Chemical Company, St. Louis, Mo. The material, it is claimed, eliminates the constant threat of serious fire hazard associated with the use of combustible hydraulic fluids in the diecasting industry. It is reported to be substantially less expensive than other non-combustible organic hydraulic fluids available for this purpose.


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BHC (Benzene Hexachloride)
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Boric Acid
Carbon Bisulphide
Carbon Tetrachloride
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• Sulphuric Acid
• Tartaric Acid
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• Titanium Trichloride
• Toxaphene (Chlorinated Camphene)
• 2,4-D (Acid, Isopropyl Ester, Amine Salts)

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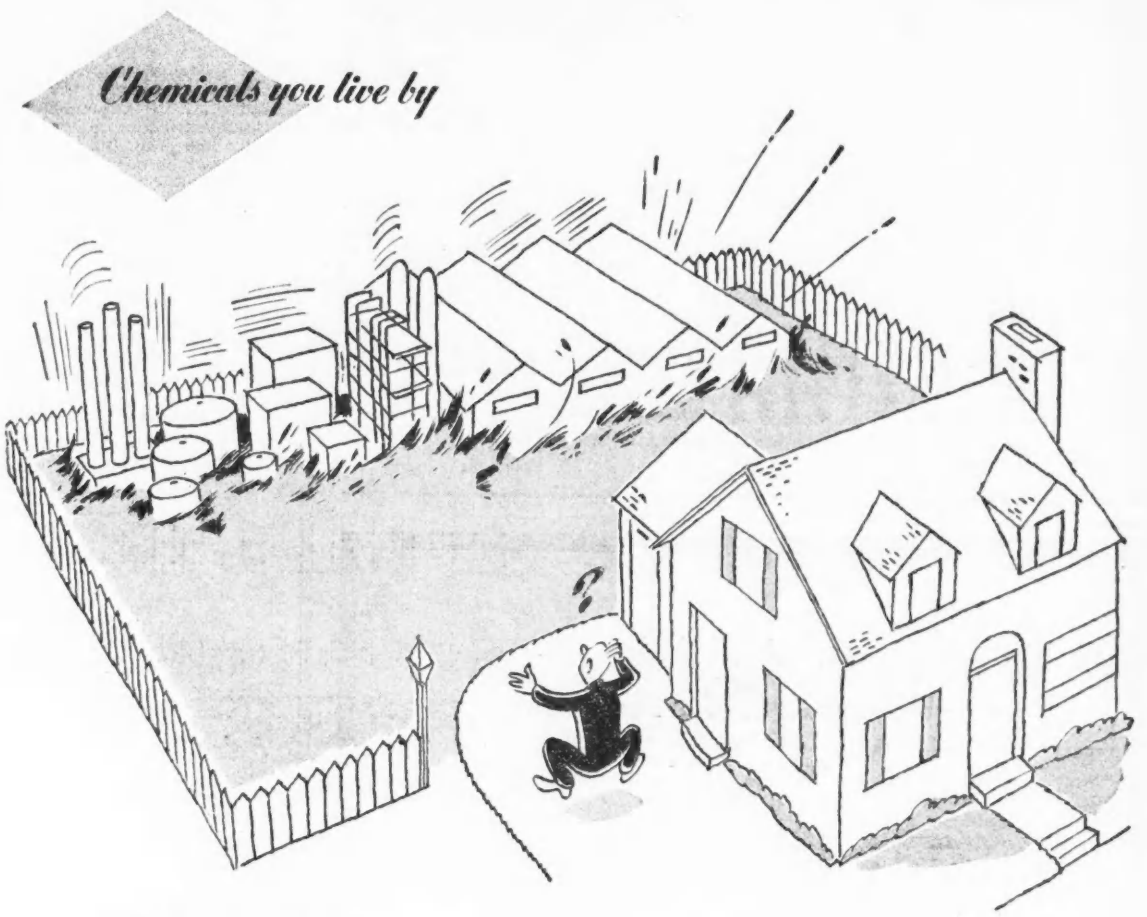


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## Wood Preservers Ass'n Hears of New Development

Development of a new chemical wood preservative, copperized chromated zinc chloride, by a joint research program of Koppers Company and E. I. du Pont de Nemours & Co. was announced at the April 26 meeting of the American Wood Preservers Association in St. Louis, Mo.

Characteristics of the new preservative were described by R. H. Bescher, technical director of Koppers wood preserving division, in his presentation of a technical article written by W. T. Henry of Koppers and Dr. R. J. Kepfer of du Pont.

Tests have revealed that copperized CZC possesses greater permanence of its toxic constituents than CZC and that the metal corrosion factor and the glow characteristics of the two preservatives are about the same, the paper stated.

The new preservative, containing 73 percent zinc chloride, 20 percent sodium dichromate, and 7 percent cupric chloride, has proved in pilot plant treatments to be similar in handling, treating, and control of the solution equilibrium to chromated zinc chloride and other salt preservatives containing more than one type of toxic ion, it added.

## Tin Imports Eased

Import licenses for limited but unspecified amounts of off-grade pig tin (99.65 percent tin content or less) will be granted to private purchasers under stated conditions, the Department of Commerce announced April 28. No private imports of pig tin have been permitted since the early war days.

Officials of the non-ferrous metals and minerals division of the Office of Domestic Commerce said that the decision announced today will permit United States importers and tin users to take advantage of recent offerings of off-grade pig tin.

They explained that the Reconstruction Finance Corporation, which purchases all of the pig tin allocated to the United States by the Combined Tin Committee, is unwilling to accept the off-grade material.

Import license applications (Form ODC-1041) should be addressed to non-ferrous metals and minerals division, Office of Domestic Commerce, Department of Commerce, Washington 25, D. C.

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## *Export Controls Lifted*

—*Continued from page 3*

**Industrial Chemicals**

| | |
|---|---|
| Tartaric acid | 830200 |
| Other organic acids and anhydrides, oxalic acid only | 830300 |
| Arsenic trioxide (white arsenic) | 830986 |
| Synthetic flavors and perfume materials, n.e.s., not of coaltar origin, except aromatic compounds, synthetic and artificial oils, and imitation oils | 832600 |
| Organic chemicals not of coaltar origin, n.e.s, undecylic aldehyde, methyl, nonyl aldehyde | 832990 |
| Aluminum sulphate | 833600 |
| Aluminum compounds, n.e.s., chlorhydrol (aluminum chlorhydroxide complex) | 833900 |
| Calcium chloride | 834300 |
| Potassium compounds, except fertilizers, n.e.s.; potassium thiocyanate; cream of tartar | 835000 |
| Boric acid and borates, crude and refined | 836220 |
| Sodium silicate | 836400 |
| Sodium carbonate, calcined or soda ash | 836500 |
| Causticized soda ash | 836600 |
| Sodium bicarbonate | 836700 |
| Sodium biphosphate | 837700 |
| Sodium compounds, n.e.s.: sodium iron pyrophosphate; sodium salicylate and sodium silicate | 837990 |
| Nitrous oxide | 839500 |

**Medicinal, Pharmaceutical Preparations**

| | |
|---|---|
| White mineral oil, medicinal grade | 811300 |
| Vitamins and vitasterols | 811910 to 811990 |
| Biologics, all forms, for animal and veterinary use | 812000 |
| Serums, antitoxins and toxoids for human use | 812100 |
| Vaccines for human use | 812200 |
| Cholesterol | 812330 |
| Glandular products, n.e.s. (report insulin in 812310, and enzymes, ferments and cultural media in 812330) | 812390 |
| Druggists nonproprietary preparations, except: belladonna; bismuth carbonate; bismuth subgallate; bismuth subnitrate; chemicals containing radioactive isotopes; cinchona salts; ergot; ipecac; jimson weed; quinidine alkaloids, salts and compounds; quinine hydrochloride; quinine sulphate; radium salts and compounds; radon; stramonium | 812400 to 812790 |
| Menthol, bulk (shippers report dosage forms in 812400 for liquids, 812790 for solids) | 813520 |
| Antibiotics, n.e.s., tyrothricin only. Antipyretics and analgesics, bulk (shippers report dosage forms in 812400 for liquids, 812790 for solids) | 813579 |
| Acetylsalicylic acid or aspirin, bulk | 813580 |
| Antipyretics and analgesics, n.e.s., bulk | 813581 |
| Bismuth tribromophenate | 813583 |
| Barbituric acids, salts, compounds and all forms of derivatives, exclusive of ampuls | 813585 |
| Narcotics, all forms, bulk (all narcotics are licensed by the Treasury Department) | 813586 |
| Alkaloids of cinchona bark, their salts, derivatives and preparations, bulk, except quinidine alkaloids and quinidine salts and compounds | 813587 & 813588 |
| Alkaloids, their salts, derivatives and preparations, medicinal, n.e.s., except ampuls | 813589 |
| Parenteral solutions, inclusive of ampuls, exclusive of biologics, glandular products, antibiotics and narcotics | 813591 |
| Inorganic medicinal chemicals, n.e.s., calcium phosphate | 813593 |
| Organic medicinal chemicals, n.e.s., acetylcholine, betains hydrochloride, calcium gluconate, bromisovalerylurea (brominal), cinchophen, chloral hydrate, choline chloride, nestidine hydrochloride, diodract concentrated solution; iodophthalein; nivanal; ephynal; prostigmine ampuls; vasodilator; sodium benzoate, USP; tubocurarine chloride | 813595 |
| Veterinary medicinals and preparations, except biologics | 814300 |
| Proprietary medicinal preparations for human use | 814800 to 818000 |

**Miscellaneous**

| | |
|---|---|
| Cocoa beans | 150100 |
| Matches | 980000 |
| Candles | 983200 |

**Naval Stores, Gums, Resin**

| | |
|---|---|
| Tall oil | 212510 & 212550 |
| Chicle and chewing gum bases | 218000 |
| Natural gums and resins, refined or modified in condition | 218995 |
| Natural gums and resins, crude (gums and resins imported crude and re-exported in the same condition included) | 218998 |

**Nonmetallic Minerals**

| | |
|---|---|
| Natural abrasives, n.e.s.: diatomaceous earth, infusorial earth, Kieselguhr and Tripoli | 540990 |
| Asphalt and bitumen, natural, except petroleum asphalt, unmanufactured | 547000 |
| Asphalt and bitumen, natural, manufactures, n.e.s. (report asphalt and bitumen, natural, unmanufactured, in 547000) | 547100 |
| Gypsum, crude and crushed, except calcined | 548350 |
| Gypsum plasterboard, wallboard and tile | 548500 |
| Gypsum manufactures, n.e.s. | 548700 |
| Other nonmetallic mineral products, except precious, except Iceland Spar, calcspar and crystal calcity (Schedule B number 596098 includes only those commodities not classified in 540600-596095) | 596098 |

**Petroleum and Products**

| | |
|---|---|
| Hexane | 505900 |

**Pigments, Paints, Varnishes**

| | |
|---|---|
| Mineral earth pigments, dry | 840100 to 840500 |
| Lithopone | 841400 |
| Chemical pigments, n.e.s.: except all pigments containing lithopone; all chrome pigments, and zinc pigments, radioactivated (report zinc oxide in 841100; lithopone in 841400; lampblack in 841900; carbon black in 842210-842350; litharge in 842500; white lead in 842600-842700; titanium dioxide and titanium pigments in 842800) | 842900 |
| Bituminous coatings, liquid and plastic | 843000 |
| Artists colors, paste and semipaste paint colors in oil, putty and paste wood filler, n.e.s.: and waterpaints | 843110 to 843250 |
| Lacquers | 843410 |
| Beeswax driers and flatting oil | 843600 |
| Ready mixed paints, stains, and enamels, except paints containing radioactivated materials | 843800 |
| Varnishes | 844210 |
| Printing and lithographic ink | 844500 |

**Soap, Toilet Preparations**

| | |
|---|---|
| Dental creams and other dentifrices | 873400 & 873500 |
| Talcum powder in packages and face and compact powder | 874000 & 874200 |
| Creams, rouges, lipsticks and other cosmetics | 875000 to 875700 |
| Manicuring preparations | 875900 |
| Depilatories and deodorants | 876200 |
| Hair preparations | 876510 & 876590 |
| Perfumes, liquid and solid, bulk and packaged | 876690 |
| Toilet waters, bulk and packaged | 876690 |
| Other toilet preparations | 877000 |

**Spices**

| | |
|---|---|
| Capsicum, ground or unground | 154901 |
| Cinnamon, ground or unground | 154902 |
| Cassia, ground or unground | 154903 |
| Cloves, unground | 154905 |
| Nutmegs, unground | 154907 |
| Vanilla beans, ground or unground | 154915 |
| Spices, n.e.s. (report pepper, unground, in 154911) | 154998 |

**Sugar, Related Products**

| | |
|---|---|
| Sugar, including raw sugar | 161905 |
| Molasses, not for human consumption | 162910 |

**Vegetable Oils, Fats**

| | |
|---|---|
| Essential oils, natural, including distilled or expressed | 226800 to 227998 |
| Blended, compounded or mixed perfume-flavor oils, except synthetic aromatic compounds | 228000 |

**Vegetable Products**

| | |
|---|---|
| Olives | 125295 |
| Vinegar | 125300 |
| Yeast, except liquid | 125600 |

## *Trade Briefs*

**Monsanto Chemical** Company has published a guide to formulating and applying "Milmer 1," its copper-8-quinolinolate industrial preservative.

**Allied Turpentine &** Rosin Products Co. has filed its business name in the Erie County, N. Y., clerk's office. The address was given as Statler hotel, Buffalo, and the filing was done by M. V. Phelan.

**Dr. Richard R. Merner** has joined the staff of the Jackson laboratory of E. I. du Pont de Nemours & Co., Deepwater Point, N. J., and has been assigned to the intermediates division.

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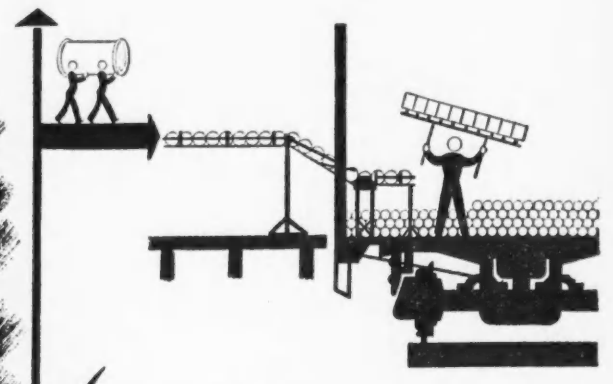

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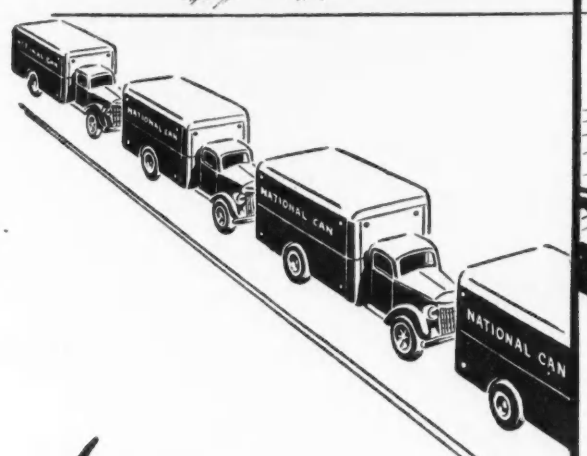


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# Agricultural Chemicals

Prices for sabadilla seed were lower and a decline was also noted in the activated ground with lime grade. Lead arsenate prices were sustained and no new announcement for DDT prices was made although trade rumors persisted that former prices could be shaded. The basic fertilizer chemicals continued firm with stocks generally tight and demand active. Expectations in some quarters that heavy supplies of superphosphate would bring about lower prices have not been realized. It is now pointed out that the demand has broadened sufficiently to create shortages at several points. Purchases in accordance with the government's program are said to have taken a lot of superphosphate out of the market and this program is expected to run through December. Coke-oven ammonium sulphate has shown no indication of easing to date. More contract announcements from the potash producers are expected at any time.

## Nitrogenates

**Ammonium Nitrate**—Production of original solution in February amounted to 80,005 tons. This total included 65,104 tons of fertilizer grade and 14,901 tons of other grades. In January 83,707 tons were produced and in February 1948 output registered 88,649 tons, according to the Bureau of the Census.

**Ammonium Sulphate**—An all-time high was established for production of synthetic technical in February when output totaled 60,975,000 pounds. The previous record was registered in December 1948 when 52,836,000 pounds were produced. The January total was 47,770,000 pounds and in February 1948, output amounted to 31,712,000 pounds. Coke-oven sulphate has remained definitely tight with current shipments confined to contract consumers.

The ammonium sulfate plant under construction at Sindri, Bihar, India, is not expected to be in operation before 1950, and then on a pilot-plant scale. It was originally scheduled to start production in 1949.

**Bone Meal**—No sign of easement in the tight supply position at present. Both raw and steamed are exceedingly short for prompt shipment with demand active.

**Castor Pomace**—Suppliers still unable to consider new business for prompt shipment. Cutback production has left the movement restricted to contract consumers.

**Dried Blood**—Market activity continued slow with insufficient pressure in either direction to force a change in prices. There were sellers at $8.00 per unit of ammonia here and in Chicago.

**Hoof Meal**—Continued inactive with sellers naming $7.00 per unit of ammonia, Chicago basis.

**Sodium Nitrate** — Consuming demand has remained active enough to maintain a tight market supply position. Shipments appeared to be running flush with schedules.

**Tankage**—Buying interest continued relaxed. Occasional sales were reported here and at Chicago at $8.00 per unit of ammonia.

## Phosphates

**Phosphate Rock**—Meeting a steady demand promptly in most instances. It was stated that the reduction of superphosphate inventories has allowed acidulators to take on freer shipments of phosphate rock.

**Superphosphate**—Prices steady and unchanged. Increased consuming demand combined with purchases for government account and export is said to have relieved surplus stocks appreciably.

Superphosphate was produced in greater quantity during February than in any month since last May. Production figures for February reported to and a summary of figures submitted to the Bureau of the Census totaled 856,000 equivalent short tons (18% APA basis), an increase of 16,000 tons (approximately 2 percent) over the January output. As compared with production during February, 1948, however, the current figures represent a drop of about 52,000 tons or 5 percent. The February output brought total production for the first two months of this year to 1,696,000 tons, roughly 138,000 tons below the corresponding figure for last year. Exceptionally large stocks on hand at the beginning of the year combined with the first 2 months' production brought total supplies to more than 3,000,000 tons, enabling superphosphate producers to dispose of close to 1,900,000 tons through the end of February. Shipments during this period totaled 1,100,000 tons, the remaining 800,000 tons having been used in the making of mixed goods. Of the 856,000 tons turned out during February, more than 87 percent was normal (18 percent apa) and 12 percent was in the form of concentrated (45 percent apa) superphosphate. Wet base goods accounted for less than one percent of the total. These proportions were about the same as in January.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Sabadilla seed, 6c. per lb.
Activated ground with lime, 2c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 81.6 | 81.6 | 81.6 | 74.5 |

(*For Current Prices see Page* 9)

## Potashes

Demand has not relaxed from its former high level and the market position has maintained a firm tendency with stocks still tight. Contract prices for 1949-1950 are expected at any time from producers who have not expressed their views to date.

Production by seven potash mines in the British Zone of Germany in 1948 totaled 2,410,000 metric tons of potash salts. The $K_2O$ content was 260,000 tons, compared with 199,000 tons in 1947. When another shaft of Salzdetfurth A.G., resumes production shortly, it will be the eighth mine in operation in the zone.

### Los Angeles Fertilizer Market

*Los Angeles*—Some companies have reported a shortage of ammonia sulphate. All other chemicals are in good supply. Price of fish meal was advanced. Market steady. Ruling prices were:—Ammonia nitrate, $73.50 per ton f.o.b. this city. Ammonia phosphate, $65 per ton for 16/20 grade f.o.b. this city, and $89.30 per ton for 11/48 grade f.o.b. this city. Ammonia sulphate, $56 in bags. Canadian material same f.o.b. this city. Blood meal, $7 to $7.25 per unit of ammonia at source. Bone meal, $65 for steamed 1/30 meal. Fish meal, $198 per ton f.o.b. Los Angeles for 60 percent California sardine meal. Nitrate of soda, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor, $5 off for bulk. Potash muriate, 45½c. per unit f.o.b. Trona basis. Bags additional. Potash sulphate, 95 to 98 percent $K_2SO_4$ in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

## Pesticides

Small lot sales have increased but there is no general disposition at this time to extend commitments beyond the limit of current wants. Market observers have pointed out that the continuance of hand to mouth buying indicates low inventories which ordinarily might be construed as a healthy sign. No announcement of a charge in DDT prices has been made although rumors of price shading have been frequently heard. It was stated that relatively high prices asked for derris root have shifted buying interest to cube root. Sabadilla seed was quoted lower and so was activated sabadilla ground with lime.

**Benzenehexachloride** — February production was placed at 1,212,513 pounds, compared with 1,159,795 pounds in the preceding month by the Chemical Division of the Tariff Commission. Gamma isomer content of BHC in February was 164,471 pounds, against 167,350 in January.

**2, 4-D** — Production in February amounted to 2,536,245 pounds, compared with 2,233,450 pounds in January. Output has held at a rate slightly above the average recorded during the last quarter of 1948.

**DDT**—Monthly production in February again topped the three million mark for the third month in succession. The total in February was 3,060,978 pounds, against 3,349,716 in January and 3,109,039 in December. Output in February a year ago was 2,224,776 pounds. Some suppliers have prepared stickers for their customers to comply with the the Department of Agriculture's marketing notice.

**Lead Arsenate** — February production totaled 3,697,000 pounds, according to the Bureau of the Census. January output was 3,866,000 pounds and in February 1948 production registered 4,089,000

*For Late Market Developments, See Page* 4

pounds. These figures include acid and basic.

**Sabadilla Seed**—Lower prices were named for this material with barrels quoted at 30c. per pound. Activated ground with lime was also lower at 26c. to 27c. per pound, according to quantity.

## Sulphur

Mine shipments of native sulphur in February amounted to 393,595 long tons, according to the Bureau of Mines. In January, shipments totaled 339,428 long tons and in February 1948, shipments amounted to 334,142. Apparent sales were 390,918 long tons in February against 367,379 in the preceding month. Producers' stocks on February 28 were 3,234,481 long tons, compared with 3,274,313 on January 31 and 3,348,462 on February 29, 1948.

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## *Chemical Consultants*

—*Continued from page 4*

pounds in 1947 was geared to contribute a billion pounds of chemically produced materials to manufacturing and ultimate consumers. He did not adhere to the concept that plastics were going to replace almost all the long established materials of manufacturing and construction, rather would they find their best service, as he saw it, in the complementing of existing materials.

Lining up the two basic groups of thermoplastic and thermosetting materials, Mr. Connelly proceeded to dispose of their misuses and to tell of their big uses. Thus he handled vinyl products, polyethylene, polystyrene, phenolic laminates, melamines, and other types, including the various cellulosic materials. Versatility and dimensional stability were the emphasized characteristics. A variety of plastic articles was exhibited and described in process and application. The versatility was brought out by many in the discussion, encompasing all sorts of uses from traffic paint to prosthetic devices.

The resistance of polystyrene to boiling (for purposes of sterilization) was a keen topic. The point was made that nylon was better in that role. The cost of plastic materials also got special attention. Current prices were defended on the basis of long life; reductions were generally expected to result from increased production and still further improvement of processes, especially on the mechanical side. There was criticism of the extent to which poor designing characterized the production of plastic articles. This was blamed largely on a tendency to appeal to cheap mass distribution, as well as production. Polyethylene was criticized because of its perviousness to gases and praised because that property enhanced its value as a wrapping material.

Properties and applications of the various materials were covered in detail by Mr. Connelly. Several speakers stressed the fact that the value of any material could not be predicted by any general rule. Demonstrations were given to show the differences between types of the same material. There was discussion of the application of a plastic lining to ship tanks for the transportation of edible oils. The problem was admittedly a big one of which the mechanical aspects were important. It was the consensus that Mr. Connelly was right in saying that the age of plastics was here and that its limits were those of man's ingenuity.

## *U.S. Fears Curtailment*

—*Continued from page 3*

cancelled because of the fear against the use of the newer insecticides.

The canvass of sentiment now being made by the FDA on the advisability of establishing spray residue tolerances for certain insecticides is concerned primarily with tolerances for apples and pears and possibly other fruits and some vegetables. It is felt by officials that at present it appears feasible to propose tolerances on apples and pears, and if sufficient data is available it may be desirable, it was stated, to extend those proposals to other products.

The FDA attempted some years ago to impose a legal tolerance of .05 grain per pound for fluorine on apples and pears, but its action was invalidated by the courts. An informal tolerance for lead and arsenic on these fruits is .05 and .025 grain per pound, respectively. The agency has advised apple and pear growers that DDT residues should be held below seven parts per 1,000,000, but the wide use of DDT complicates the problem as reports on the possible ways it may enter the diet are on the increase.

**Parthion Found Toxic**

Parathion has been found to be extremely toxic, and if improperly used there is danger of acute poisoning. While no tolerance, formal or informal, has been announced, the FDA has acquired data indicating that when parathion is used as recommended—that is, not later than one month before harvest—residual traces that may remain at harvest time are not likely to be enough to be dangerous.

While residue tolerances may be allowed for DDT for some fruits and vegetables, the FDA is definitely opposed to allowing any tolerance for this insecticide for milk or baby foods.

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# Petroleum Derivatives

Low-gravity crudes were down 25 cents per barrel at some East Texas and Mississippi fields last week, marking the first major break in postings since the war. Most derivatives were unaffected by the development, although fuels in the Metropolitan New York area slipped again.

Producers of petroleum aromatics, while noting the crude declines, pointed out that sour grades do not ordinarily figure in the manufacture of toluol and xylol. Observers believed, however, that the weakening of crude could be interpreted as a straw in the wind, perhaps foreshadowing more drastic cuts later in the year. Meanwhile, demand, though up a trifle, was still below par for this time of year.

Aliphatic-aromatic blends and higher boilers settled down at lower levels in the wake of recent reductions. Aliphatics were similarly steady. Prices firmed up in the Southeast in the wake of one-half-cent advances in Kentucky, Alabama, Mississippi, Georgia and Florida. Naphtha stocks were excellent in all areas. Buying was quiet in the main.

## Solvents and Diluents

**Aromatic Solvents** — Although postings on sour grades of crude oil declined 25c. per barrel at some East Texas and Mississippi fields last week, the market for petroleum toluol and xylol was undisturbed. Observers, while noting that this was the first major break in crude prices since the war, believed that developments thus far were only a straw in the wind. They pointed out that low-gravity crude ordinarily does not figure in the manufacture of aromatics. Furthermore, it was stated that if the week's decrease in sour grades should gain general acceptance for all gravities, recent reductions in petroleum toluol and xylol, which averaged 1c. per gallon, are more than enough to offset a 25c.-per-gallon drop in crude.

Meanwhile, conditions during the week continued placid. There was no particular rush for aromatic solvents, despite the fact that the paint trade normally operates at peak production during the Spring. In some quarters it was reported that sales were picking up, but overall demand was still said to be below par. Stocks were comfortable, and prices were maintained in all areas.

Listings on aliphatic-aromatic blends and higher boiling range aromatics settled down at lower levels during the week following recent price cuts. The supply position was generally described as excellent. Inquiry, though a little improved over the previous week, was still quiet in the main.

**Cleaners' Naphtha**—There were no further price developments in the Southeast in the wake of recent ½c. advances in Kentucky, Alabama, Mississippi, Georgia and Florida. On the East Coast, listings were similarly stable, and in group 3, firmness also prevailed. Cleaners' naphtha was quoted at 14c., East Coast, and at 10⅞c. to 11⅝c., group 3. Demand was still slow. Stocks were plentiful.

**Lacquer Diluent** — Consuming interest was still not all it might be last week. Calls from the paint trade were said to be considerably under levels of a year ago. The supply position was everywhere abundant. Quotations in group 3 called for 12⅛c. for benzol-type and 11⅛c. to 12⅛c. for toluol-type. Along the Eastern Seaboard, listings were uniform at 16c.

**Mineral Spirits**—All was quiet in the Southeast following recent advances of ½c. per gallon in Kentucky, Alabama, Mississippi, Georgia and Florida. In the Northeast, listings were firm at 14c., while in group 3, prices continued at a range of 9⅞c. to 10⅝c. Producers expected no further changes within the immediate future, despite declines in some grades of crude oil during the week. Supplies were readily available. Demand was still sluggish.

**Rubber Solvents**—There was some pick-up in demand during the week, as the tire industry neared its peak production period. Meanwhile, the price situation in the Southeast steadied in the wake of recent ½c. advances in Kentucky, Alabama, Mississippi, Georgia and Florida. In the Northeast, rubber solvents were quoted at 15c., while in group 3, sellers asked 10⅜c. to 10⅞c. Stocks were everywhere plentiful.

**Stoddard Solvent**—The price structure was steady in all areas during the past week, despite lowerings in sour crude at some fields. In the Southeast, the market steadied at higher levels following recent ½c. increases in Kentucky, Alabama, Mississippi, Georgia and Florida. In the Northeast, prices were uniform at 14c., while in group 3, listings ranged from 9⅞c. to 11⅛c. Offerings were freely available. Demand was still on the quiet side.

**V. M. & P. Naphtha**—Buying interest was generally sub-normal last week. Calls were a little more frequent, particularly from the protective coatings industry, but overall the situation was lackluster. Stocks were abundant in all areas. The price picture was firm. In the Southeast, where advances of ½c. per gallon were recently applied in Kentucky, Alabama, Mississippi, Georgia and Florida, listings steadied at higher levels. In the Northeast, quotations were firm at 15c., and in group 3, prices continued to range from 10⅞c. to 11⅝c.

## Lighter Fractions

Liquefied petroleum gases were in ample supply last week, and were expected to remain in excellent availability until September. Calls were light. Butane and propane were both named at 3½c. per gallon, tanks, groups 3.

## Waxes

**Microcrystalline**—The market was relatively unchanged during the week. Following are current prices:—170-175 ASTM, amber, 14c. to 15c.; 170-175 ASTM, black, 12½c. to 13½c.; 170-175 ASTM, white, 25c. to 26c.; 180-185 ASTM, amber, 16c. to 17c.; 180-185 ASTM, black, 14½c. to 15½c.; 180-185 ASTM, white, 27c. to 28c.; 190-195 ASTM, amber 20½c. to 21½c.; 190-195 ASTM, black, 19c. to 20c., and 190-195 ASTM, white, 33½c. to 34½c. per pound, group 3, works.

## Miscellaneous

**Crude Oil** — The price structure of crude showed signs of cracking last week, as postings on low-gravity grades fell 25c. per barrel at some East Texas and Mississippi fields. This development, the first major postwar break in crude postings, was attributed to recent drastic cuts in fuels. Since December, heavy fuels have been slashed about 38 percent, while home heating oils have been lowered approximately 20 percent.

The American Petroleum Institute reported daily average crude-oil production for the week ended April 16 at 4,912,000 barrels, a decrease of 4,000 barrels below the average output for the preceding week. Daily average crude runs to stills of 5,143,000 barrels were 76,000 barrels above the level of the preceding week.

**Fuel Oil**—Prices in the New York Metropolitan area were down 1/5c. to 3/10c. per gallon during the week, reductions covering tankwagon listings on home heating fuel and No. 4 oil.

### Los Angeles Petroleum Market

The solvent and diluent market was steady here last week. Supplies are meeting demand. Prices are unchanged. Cleaners' naphtha was quoted at 16.3c. per gallon, tankwagon, ex tax.

Supplies of butane and propane are good. Prices are firm. Both materials are quoted at 9.3c. per gallon, tankcar, f.o.b. Wilmington, Calif.

The paraffin wax market was steady during the week. No price changes were reported. Supplies are good. High melting point 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 7.35c. per pound; 146-148 ASTM, 7.55c. per pound, and 157-162 ASTM, 9.1c. per pound. Tankcar prices in the order named are 7c., 7.2c., and 8.75c.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Petroleum, crude, low-gravity, East Texas, 25c. per bbl.
Mississippi, 25c. per bbl.

*(For Current Prices see Page 9)*

### *Crude Oil Stocks*

Stocks of domestic and foreign crude petroleum at the close of the week ended April 16 totaled 269,544,000 barrels, according to the Bureau of Mines. Compared with the total of 268,163,000 barrels for the preceding week, this represents an increase of 1,381,000 barrels, comprising an increase of 876,000 barrels in stocks of domestic crude and an increase of 505,000 barrels in stocks of foreign crude.

*For Late Market Developments, See Page 4*

## 'Amer. Can Names Three

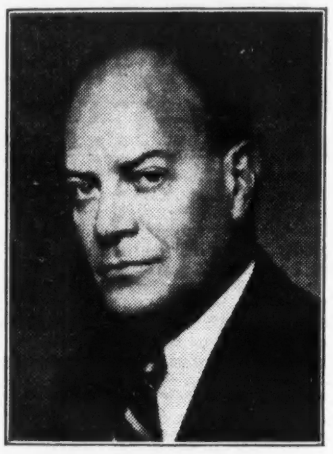
—Continued from page 5

Sullivan will continue as a director and a member of the company's executive committee. Carl H. Black, who was executive vice-president, was elected president, succeeding Mr. Figgis. William C. Stolk, vice-president in charge of sales, was elected executive vice-president. The election announcement was made after a meeting of the board of directors, which followed the annual stockholders' meeting.

C. H. Black

Mr. Figgis, the newly elected board chairman, started his career with the company as a clerk in a district sales office in 1902. In 1936, Mr. Figgis became vice-president in charge of sales. Four years later he was named executive vice-president and at the same time became a director. Mr. Figgis is also a director of the Metal & Thermit Company and the National Biscuit Company.

Mr. Black has been with the American Can Company since 1908. Starting as a machine operator in one of the company's factories, he transferred early in his career to the sales department. Mr. Black held the positions of general sales manager and vice-president in charge of sales before being named a director of the company in 1941 and executive vice-president in 1943.



W. C. Stolk

Mr. Stolk, who succeeds Mr. Black as executive vice-president, joined the American Can Company in 1916 as a timekeeper in the former Manhattan plant in New York. He served in the Army during World War I, rejoining the company in 1920. After serving in several posts in the sales organization, he became general manager of sales in 1941 and was elected vice-president in charge of sales in 1944.

## Army Plans to Sell

—Continued from page 5

tons of anhydrous ammonia during the fiscal year 1950. For the same period, the Army's production capacity at its three plants now operating will be approximately 463,000 tons, or an excess above needs of about 90,000 tons.

**Produces About 65,000 Tons**

Production at the Ohio River plant, he stated, amounts to about 65,000 tons, which will not be needed for purely military commitments. By releasing the plant from Army production and selling it so that it may be operated by private enterprise, its entire capacity of 65,000 tons will be available for the domestic economy. This is almost double that being provided from Army operated plants during the fiscal year 1949.

In addition, Mr. Gray noted that some 25,000 tons of anhydrous ammonia will be available, if required for export to non-occupied countries, from the production of the two remaining plants which will be operated by or for the Army during fiscal year 1950.

## Antitrust Laws Revision

—Continued from page 5

the justices had divided 4-4 on the issues, and the lower court's decision is therefore affirmed.

In effect, the supreme court has tossed the ball back to Congress, and it is up to the legislators to outline the policy of whether delivered pricing systems and freight absorption schemes engaged in by industries, without conspiracies, are to be permitted. Senator Herbert R. O'Conor of Maryland, who presided at the hearings on the Myers bill several weeks ago, commented on the supreme court's action as bringing into focus the necessity for congressional action to clear the atmosphere with regard to the use of basing point prices. He was joined in this contention by Senators Edwin C. Johnson of Colorado and Homer Capehart of Indiana.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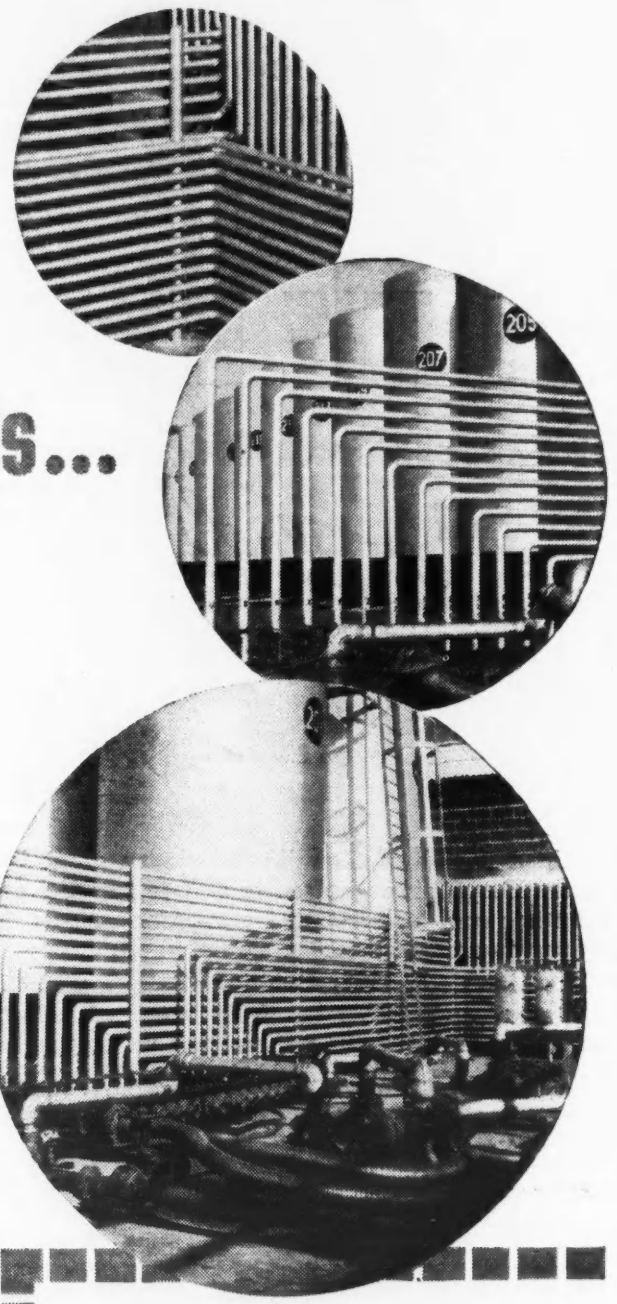

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# Coaltar Chemicals

The market for coaltar chemicals was in a generally quiet condition during the past week. Prices were unchanged and there were no indications of any major revisions to be made in the present quarter. The price index remained unchanged.

In general, there were no particular improvements to be noted in the demand for coaltar materials. Since the first of the year, the demand for these items had been off somewhat, but the industry was hoping that the coming of warmer weather would bring with it an increased call for their products. Mothproofing naphthalene was moving fairly well for this time of year, but the trade was hoping for warmer weather, for it was felt that that was what was needed to boost sales up to a higher level. Sellers of creosote were also hoping that the Spring would bring about an increase in the construction industry, which would also help sales of that material. Supplies of most products were available in good quantities and buyers were in general encountering no trouble in having their orders filled.

Steel production was down somewhat during the week, according to a report from the American Iron and Steel Institute. Based on reports of companies having 94 percent of the capacity of the industry, the operating rate during the week was scheduled at 97.5 percent of capacity. This was equivalent to 1,797,400 tons of steel ingots and castings, as compared to 1,814,000 tons one week ago, 1,560,900 tons one year ago and 1,281,210 tons for the average week of 1940, the highest prewar year.

### *Market Trends*

**Prices Advanced**
None

**Prices Reduced**
None

**Comparative Price Indexes**
(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 130.7 | 130.7 | 131.7 | 152.6 |

(*For Current Prices see Page* 9)

## Basic Products

**Benzol**—The price listings for this material were reported to be unchanged during the past week and there were no indications that there would be any revisions in the immediate future. Supplies were still available in good quantities and the demand, while not what it was at the turn of the year, was said to be holding at fairly good levels.

**Coaltar** — There were no particular changes reported in the market for this material during the past week, either as to supply and demand or price. Stocks were said to be holding at good levels and were sufficient to satisfy the market. The demand for the item was being felt at reasonably good levels, although it was not so strong as it was before the first of the year. The material was now available in tankcar quantities, which had been almost impossible to obtain before the decreased demand set in after the first of January, but at this time sellers were finding little demand for the item in such quantities.

**Creosote**—Prices of this material were reported to be still holding during the past week, and although there was some shading being done on the high side of the range, it was reported that quotations were not expected to change in the immediate future. The supply of the item continued to be at a good level. Domestic production was still holding up to a high point, and the output in this country was being supplemented by the importation of the product from abroad. Demand was not sufficient to take all the material off the market.

The demand for the item appeared to be somewhat weaker than it was in actuality because of the heavy stocks that were on the market. It was hoped by sellers that the turnover of the product would be accelerated shortly by a greater activity in the construction industry in general. Also, it was expected that during the current year the railroads would be in the market for more of the material for the treatment of ties and poles. During the past year much of their buying was done on a hand to mouth basis, and it was expected that by this time there was a considerable backlog of orders that would need filling.

**Cresol**—Price schedules on this material during the past week were reported to be unchanged and there were no indications from producers that there were any revisions in prospect for the immediate future. There was still no pickup reported in the demand for the imported material. Stocks of it were available in good quantity. The demand for the domestic item was said to be better although it, too, was not what it was before the first of the year. There was enough of it on the market to assure buyers no particular trouble in having their orders filled.

**Cresylic Acid** — Imported material was reported to be available in good quantity during the past week, as it had been for some time, although the demand for it was not at particularly high levels. The domestic material was readily available, which was a change from the condition that had prevailed a short time back. The ready avaliability was a result of the decrease in demand. Prices had reached a stable level for tankcar quantities although there were still some revisions expected from one source in the listings for lesser quantities.

Refined cresylic acid was produced in the amount of 1,650,716 pounds during February of this year, according to recent production figures. This was considerably below the output of the previous month, for during that time, it was reported, there was a total output of 2,302,157 pounds. The total output of last year, according to preliminary figures, amounted to 26,357,850 pounds.

**Naphthalene** — Crude material was reported to be available in greater quantity than was the refined last week although the refined also was in a free supply position. Demand in general was not at a high level, and the dyestuff's industry was reportedly taking less of the material than sellers had hoped. This was the season for the sale of the mothproofing material, and turnover was reported to be at about normal levels. The weather, while reasonably good, still lacked the sharp turn towards Summer temperatures that would give the material the boost that sellers always hope for at this time of the year. It was still not too late, however, and producers expected that a break in the weather would give turnover of the goods the necessary impetus. There was, however, some question of just how much goods was being carried over from last year by housewives, jobbers and retailers.

Output of crude napthalene, solidifying at less than 79°C., by tar distillers, amounted to 13,616,183 pounds during February. This was a considerable drop from the output of the previous month, for during that time the production amounted to 25,499,765 pounds. Preliminary figures for the entire twelve months of 1948 indicate that the production of the material during that time came to 211,834,578 pounds. Production by tar distillers of the refined, solidifying at 79°C. and over amounted to 7,199,771 pounds during February, as compared to the slightly higher production of 7,225,039 pounds during January. Preliminary figures for the year 1948 indicate that the output for that period came to 93,340,780 pounds. The crude, solidifying at less than 79°C., as produced by coke-oven operators during February amounted to 8,202,635 pounds. This was somewhat under the production of January, during which time production amounted to 8,979,031 pounds. The total output for the year 1948, according to preliminary figures, amounted to 105,419,351 pounds.

**Phenol**—The natural grades were in a demand position that was called fair. There were supplies available although it was said that there was no surplus on the market. The supply of the USP material was reported to be free although the demand for it was not up to a particularly high point. The large potential capacity for the USP was reportedly not being completely used. There were said to be no changes in the price listings during the

### *Coke By-Products*

Estimates of by-product cokeoven operations in the week ended April 23 indicate the following output of by-products from that source:—

| | | |
|---|---|---|
| Ammonia liquid, $NH_3$ | lbs. | 1,256,931 |
| Ammonia sulphate | lbs. | 32,547,915 |
| Benzol | gals. | 4,101,566 |
| Coaltar | gals. | 15,215,489 |
| Creosote oil | gals. | 846,775 |
| Naphthalene, crude | lbs. | 2,011,090 |
| Phenol | lbs. | 238,155 |
| Toluol | gals. | 820,313 |
| Xylol | gals. | 185,232 |

*For Late Market Developments, See Page* 4

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past week although it was expected that there might be some revision made in the carload and less carload listings in the near future by one producer. The prices for tankcar quantities were uniform with all producers.

Production of phenol (synthetic and natural) technical and USP during February of this year amounted to 21,239,934 pounds, as compared to an output of 26,767,011 pounds during the month of January. Preliminary figures indicate that the entire production for the year 1948 was 293,653,864 pounds.

**Pyridin** — Pharmaceutical material was in a tight supply position, as it had been for some time past, while the demand for it remained at a good point. The other grades were in an easier supply position, but the demand for them was reportedly not at any great levels. Prices were reported to be unchanged during the period under review and there were no indications that there would be any revisions in the immediate future.

**Solvent Naphtha**—Following recent decreases of 2c. a gallon in the price of this material, the market appeared to be quiet during the past week at the revised levels. There were no particular changes to be noted in the supply and demand situation.

**Toluol**—Demand for this material was at an unchanged level during the period under review. Requests for it were not so high as they were before the turn of the year, however, but it was said that there were no supplies of the material backing up on the market. Pricewise, the market was steady during the week, following some recent revisions in listings at specific points.

Toluol produced by coke-oven operators during February amounted to 2,445,520 gallons, which was somewhat lower than the January output of 2,540,306 gallons. The total output for the year 1948, according to preliminary figures, was 28,600,714 gallons. Production from all other sources during February amounted to 4,342,796 gallons, which was considerably above the production figure for January. During that month the output was recorded at 3,978,468 gallons. Preliminary figures show that the production of toluol by the other sources during 1948 amounted to 44,567,713 gallons.

**Xylol** — Pricewise, there were no changes reported in the market for this material during the past week. There had been some recent revisions in listings at some shipping points but no others were forseen for the immediate future. The supply and demand pictures remained about the same. Stocks were available for normal buying and the demand was still off somewhat from the levels of late last year.

Crude xylol, produced from coaltar and from petroleum during the month of February amounted to 4,201,276 gallons. This figure was somewhat lower than the output for the month of January, for during that time the production of the material by the same sources amounted to 4,812,933 gallons. The total production of the item during 1948, according to preliminary figures just received, came to 60,614,218 gallons.

## Intermediates

**Maleic Anhydride** — Prices were still holding at previously announced levels during the past week. Supplies were reported to be readily available but the demand was on the light side.

**Metachloranilin**—Demand for this material was reported to be light during the period under review, while the stocks were subject to availability. The price was reported to be unchanged.

**Orthoanisidin**—Stocks of this material were generally available for normal ordering, while the demand for the item was reported to be moderate. There was no change reported in the price.

**Phthalic Anhydride** — There were no particular changes reported in the market conditions for this material during the period under review. Demand was still not up to the standards that producers hoped it would be and in some cases the production was being curtailed until such time as the market picked up. Prices, however, were still holding at their previously established levels and there were no indications that there would be any revisions in the immediate future. It was said that the costs of labor and raw materials were making it necessary to keep prices at the present level.

The output of phthalic anhydride dropped considerably during February as compared to January. During February the output was reported to be 12,814,553 pounds, while the figure for January was 16,294,597 pounds. The total output for the year 1948, according to preliminary


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figures recently released was 159,908,584 pounds.

**Styrene Monomer**—The price of this material was unchanged last week, as it had been for some time past. Supplies were good but the demand was characterized as about "fair."

## N.Y. AIC Chapter Plans May 18 Meeting

The annual honors meeting and dinner of the New York chapter, American Institute of Chemists, will be held at the Downtown Athletic Club on May 18.

Officers will be elected for the coming year and medals will be presented to students in the metropolitan area. Speakers will include:—Dr. Milton C. Whitaker vice-president, American Cyanamid Company; Rev. Eugene A. Gisel, S.J., chairman of the department of Chemistry at Fordham University; Lawrence H. Flett, president, American Institute of Chemists; Dr. Martin Meyer, chairman, New York chapter of the Institute, and Dr. Donald Babcock Keyes, vice-president in charge of planning and development, Heyden Chemical Corporation.

## Houghton Establishes New Product Development Dept.

E. F. Houghton & Co., Philadelphia, has established a new product development department, and has named Dr. H. B. Walker manager. The department will facilitate the handling and evaluation of newly developed products and is expected to bring about closer liasion between the research, production and sales staffs.

## Carbide & Carbon Forms New Texas Sales District

Carbide & Carbon Chemicals Corporation, New York, has formed a new sales district to serve the Texas area, and has placed Paul J. Doyle, jr., in charge. Mr. Doyle will make his headquarters at 804 Travis street, Houston. He was formerly in charge of the Houston office of the St. Louis district.

### Kenrich Making New Hydrocarbons

The Kenrich Corporation, New York, is currently producing a new type of synthetic resinous hydrocarbon, under arrangement with the Socony-Vacuum Oil Company, which initiated the development and is seeking patent protection. Offered under the trade name "Kenflex," the hydrocarbons are produced by catalytic condensation of specific alkyl naphthalenes, followed by purification and high vacuum distillation.

### Mahoney Forms Company

Ed Mahoney, formerly associated with the First Machinery Corporation, has formed his own company at 982 Stuyvesant avenue, Union, N. J., and is offering a complete machinery shopping service. Mr. Mahoney offers to locate processing, packaging and materials handling equipment for process industries, or to obtain a buyer for surplus equipment.

### *Dyestuffs U.K. Imports: Feb.*

Imports of dyestuffs into the United Kingdom during February, 1949, as compared with February of the preceding year, have been reported as follows:—

| | | February 1949 | February 1948 |
|---|---|---|---|
| Synthetic organic dyestuffs (including pigment dyestuffs) and compounds, etc | cwt. | 707 | 1,050 |
| Dyeing extracts | cwt. | 2,826 | 4,312 |
| Tanning extracts (solid or liquid)— | | | |
| Quebracho | cwt. | 27,288 | ..... |
| Wattle bark | cwt. | 82,460 | 113,845 |
| All other sorts | cwt. | 1,102 | 10,305 |
| All other dyes and dyestuffs | cwt. | 236 | 1,155 |

## Arnold-Hoffman Merges Boston, Providence Offices

Arnold-Hoffman & Co., manufacturing chemist, has announced the merger of its Boston sales office with the headquarters office in Providence. William T. Clarke, formerly Boston manager, has become Providence sales manager with supervision over the New England sales force.

### Benzol Products Names Agent

Benzol Products Company, fine chemicals, Newark, N. J., recently named Mefford Chemical Company, 1026 Santa Fe Avenue, Los Angeles, as its sole distributors on the Pacific Coast. H. P. Chase, vice-president of Mefford, will handle inquiries for Benzol Products' line.

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# Textile and Leather Chemicals

There was little of new interest in the market for textile and leather chemicals last week. Trading continued chiefly for immediate requirements for practically the entire list. The only price change occurred in egg yolk which was lifted 2 cents per pound, because of limited stocks and active demand. Price index was unchanged at 332.7, compared with 345.5 a month ago and 375.5 for this time last year.

Demand for sizing materials was listless, except for potato starch and tapioca flour, which were moved in moderate volume for prompt delivery. The latter was scarce and prices were well maintained for supplies on the spot. Corn dextrin and starch continued in slow request, mainly for actual needs despite the price advance of 15 cents per 100 pound set for May 9 by processors.

No improvement was noted in the quiet demand for tanning material replacements. Tanners were practically out of the market. Prices of materials at producing centers, however, remained unchanged and steady, especially for myrobalans, cutch, mangrove bark, valonia, wattle bark and extract. Tanning operations were reported limited to about 40 to 45 percent of capacity. Recent trading was restricted to 30-day requirements, and it was stated that tanners' inventories of most tanning materials were still heavy.

Cattlehide leather production in 1948 was indicated at 26,070,000 hides, according to revised figures issued by Tanners Council. Calf and whole kip skins output in 1948 amounted to 10,480,000; goat and kid skins, 37,970,000 and sheep and lamb skins, 33,492,000. Cattlehide output during February totaled 2,124,000, compared with 2,073,000 in January; calf and whole kip skins 890,000 skins against 943,000; goat and kid skins, 2,982,000 compared with 3,013,000 and sheep and lamb skins, 2,537,000 against 2,564,000.

## Chemicals

**Acetic Anhydride** — Consumers continued to take small lots for actual needs. Quotations were unchanged. Production of acetic anhydride in 1948 was indicated at 778,128,482 pounds, by the Tariff Commission. The output during February totaled 57,807,102 pounds, compared with 58,183,746 pounds for the same month last year.

**Bichromates**—Supply situation has improved as a result of reduced consuming demand for delivery against current contracts. Production of sodium bichromate has caught up with the demand and supplies were adequate to meet export and domestic requirements. Potassium bichromate also was in better supply. Quotations were unchanged and ruled steady, because of high production costs.

**Sodium Hydrosulphite** — Demand was restricted to small quantities for immediate needs. New business was slow. Prices were unchanged.

**Sulphonated Oils** — Quiet demand was reported for all grades. Consumers continued to limit purchases to small lots for immediate requirements. Sulphonated castor oil and tallow quotations were without change and fairly steady.

## Sizing Materials

**Corn Dextrin** — Consuming inquiry lacked snap and business was limited to moderate quantities for immediate requirements. Prices of all grades were unchanged, but were expected to be advanced 15c. per 100 pounds May 9 by processors.

**Corn Starch**—Buyers continued to operate in a hand to mouth manner. Market remained steady at current quotations, though processors recently announced that prices would be raised 15c. per 100 pounds, May 9. Visible corn supply continued to decline. Stocks were reduced 2,200,000 bushels during the week ended April 23 to 16,618,000 bushels, compared with 7,706,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

**Egg Albumen**—Offerings of albumen were liberal, and with business confined to small quantities, the market continued easy. Edible flake was available at $2.40 to $2.45 per pound, according to quantity for spot delivery. Technical was quiet and prices ranged from $1.23 to $1.30 per pound, same basis.

Dried egg production during March totaled 13,993,000 pounds compared with 1,781,000 pounds during March last year, according to the Bureau of Agricultural Economics. Production consisted of 13,027,000 pounds of dried whole egg, 208,000 pounds of dried albumen and 758,000 pounds of dried yolk. The government has contracted for approximately 35,000,000 pounds of dried whole egg since the first of the year, through April 16, for egg price support purposes. The quantity of liquid egg produced during March totaled 113,618,000 pounds compared with 70,349,000 during the same month last year. The quantity produced for drying was much larger than last year and continues to account for most of the increase shown in total liquid produced so far this year.

### *Market Trends*

**Prices Advanced**

Egg yolk, 2c. per lb.

**Prices Reduced**

None

**Comparative Price Indexes**

(100 — August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 332.7 | 332.7 | 345.5 | 375.5 |

*(For Current Prices see Page 9)*

**Egg Yolk**—Yolk market was firmer and was advanced 2c. per pound. Demand was active. Supplies on the spot and in the West were reported limited and were closely held. Stocks on the spot were raised to $1.04 and $1.08 per pound, depending upon seller and quantity. Reports from Chicago stated that sales took place at $1.01 per pound, carlots. Yolk output in March was placed at 758,000 pounds, against 893,000 pounds for the same month last year.

**Potato Starch**—Business was reported moderate, and was restricted to Maine starch, owing to the sold up output of Idaho. Carlots were in fair request from large consumers and sales took place on the basis of 5.80c. per pound, carlots, New York delivery. Smaller quantities ranged from 7c. to 7¼c. per pound, exwarehouse, as to quantity. Department of Agriculture officials claimed that the government had to pay an average of $2.233 to each grower eligible for the federal price support program on the 1948 potato crop. Purchases of potatoes through February 28 totaled $155,224,000 in 43 of the 48 states. Similar potato support programs cost the government $90,000,000 in 1946 and $50,000,000 in 1947.

**Sago Flour**—Consuming inquiry was light, chiefly for actual needs. Stocks on the spot were scarce. Shipments were quoted at 7½c. to 7¾c. per pound, exwarehouse and 7c. ex dock.

**Tapioca Flour**—Small quantities on the spot kept this market firm. High and low grades were especially limited and in active inquiry. Mediums were in fair supply. Prices were unchanged and well maintained. High grade was quoted at 10½c. per pound, exwarehouse; medium, 9½c. to 9¾c. and low 7c.

## Tanning Materials

**Cutch**—Limited offerings for shipment affected business. Inquiry for replacements was fairly active. Market was unchanged and firm.

**Divi Divi**—Buying interest showed no improvement last week. Offers for shipment were maintained at current levels, despite the lack of demand.

**Mangrove Bark**—Arrivals of 3,287 bags of bark were noted at New York from Africa last week and were delivered against former contracts. Inquiry for African has been active, but offers have been practically unavailable because of the scarcity of exportable sizes, so that this shipment caused a great deal of surprise in the trade.

**Myrobalans**—While inquiry for replacements continued inactive, primary markets remained steady. Offers for shipment were limited and closely held at former quotations. Imports were reported at 3,680 bags at New York last week.

**Quebracho Extract** — Business was reported slow. Imports were fairly heavy two weeks ago which were delivered against former orders. Tanners continued to limit interest in replacements to prompt shipment. Quotations were without change. Arrivals totaled 6,080 bags at New York last week.

**Wattle**—Arrivals of bark totaled 2,775 bags and 2,390 bags of extract at New York and 3,850 bales of bark and 5,560 bags of extract at Philadelphia last week. Shipments of bark and extract were well held at current quotations.

*For Late Market Developments, See Page 4*

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# Drugs and Fine Chemicals

While this market in general was adversely affected by a continued period of quiet trading and most items were in only moderate to slow demand, there was a favorable side to the whole situation to be found in its price stability. Price movements were few. Menthol advanced 40 cents per pound. Agar was down another 5 cents per pound and some of the penicillin precursors were down 20 cents per pound. Milk powder was stronger under the stimulus of CCC purchases and the government parity price support program. Skimmed milk roller process material advanced ¾ cent per pound while the spray process material was up ½ cent. The index advanced 1.2 points bringing it to 257.4.

Alcohol prices were unchanged and in view of the fact that certain large producers were taking business for May and June at current prices there was good reason to feel that prices would not move before the midyear. Cocoa butter was steady, and vitamin containing fishliver oils were in continued short supply.

Crude glycerin producers who are nonrefiners such as certain soapers and fat splitters were still inclined to hold material on hand for higher prices than the price structure of refined glycerin would reasonably support under current supply and availability conditions. Informed quarters felt that this policy was risky and generally unsound when studied from the point of view of the world markets, and particularly with references to the ample supply situation in Germany and the heavy stocks on hand in Argentina.

The demand for tartaric and citric materials as well as for sodium benzoate was reportedly beginning the usual seasonal increase, but overall demand this season was expected to fall significantly under that of last year. Pentaerythritol was firm after the price adjustment made some weeks ago. Solvents in general were off in demand from a year ago, but were in a somewhat better market position than existed a few weeks ago. Esters in particular were improved.

Most manufacturers regarded the price situation with caution, and while some few items moved each week usually in a downward direction, care was being exercised to prevent any great mass decline in prices in general or on any one item in particular such as recently placed the alcohol industry in its present unhealthy situation.

## *Market Trends*

**Prices Advanced**

Menthol, 40c. per lb.
Milk powder, skimmed, roller process, ¾c. per lb.
spray process, ½c. per lb.

**Prices Reduced**

Agar, 5c. per lb.
Betaphenylethylamine, 20c. per lb.
Phenylacetamide, 20c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 257.4 | 256.2 | 256.7 | 252.2 |

*(For Current Prices see Page 9)*

**Acetanilide**—Tariff Commission reports indicate that the preliminary total production figures for 1948 for both technical and USP material amounted to 3,558,456 pounds. February output was 493,358 pounds, compared with 567,082 pounds in January of this year. Demand was reported as slow, and there was an abundance of supply available.

**Acetone** — Tariff Commission reports showed the total 1948 preliminary production of this item to be 469,937,457 pounds. February output fell to 35,864,942 pounds, after a January production this year of 43,418,156 pounds. The market maintained a firm price position with supplies adequate.

**Acid, Acetylsalicylic**—Total 1949 aspirin production was reported by the Tariff Commission as 10,762,853 pounds. February production stood at 1,068,920 pounds, compared with January output of 1,179,868 pounds this year. The market was slowing up appreciably, and a slow summer season was expected. Prices were firm.

**Acid Tartaric** — Imports last week amounted to 500 kegs. Prices were reported as steady, and no change in the immediate future were expected. An abundance of domestically produced material was available. Demand was moderate.

Production of tartaric acid in Italy during the first six months of 1948 was 1,648 metric tons. This was 28 percent less than the 2,576 metric tons produced in the first six months of 1947. Output in the year 1947 was 4,729 metric tons. In the period January to November 1948 exports of tartaric acid from Italy amounted to 781 tons valued at 282,728,000 lire, equivalent to $491,700.

**Agar**—This item declined another 5c. per pound last week. The market has been softening recently and over recent weeks has declined a total of 55c. per pound from the level of $3.25 to $4.10 which prevailed unchanged for many months. The current market position is one in which prices are quoted from $2.70 to $2.85 per pound.

**Alcohol**—A survey of the current alcohol market position indicated that prices would likely remain in the cellar at least until the mid-year. Currently, these prices are such that alcohol is being sold at less than cost, and a sub-zero profit position for the industry was felt likely to continue for the first half of the year because there were no positive indications that costs would drop to a point where at the current level of prices a profit could be made.

The basis for this probable unchanged price situation until at least July 1, lay in the fact that certain large producers were taking businss for May and June at the present price level. What might happen at the mid-year was a matter of conjecture, and there was no assurance that prices would be raised at that time. However, the molasses situation with respect to excessive stocks did entertain some possibility that in the second half of the year costs may decrease bringing some relief to the industry.

**Aminophylline**—A major producer of this item announced a price reduction of $1.90 per pound effective May 2. This brings the price quotation down from $7.90 to $6. This price change was said to be the result of lower production costs enabling the producer to offer aminophylline and theophyllin at the same price level, whereas heretofore the former had been higher.

**Amyl Acetates**—There were no production figures available for the months of January and February, but the preliminary figure for the 1948 total was reported by the Tariff Commission as 11,799,309 pounds total for both the normal and the isoamyl products. Markets were described as relatively slow, with only moderate demand against ample supply.

**Betaphenylethylamine** — This penicillin precursor was reduced 20 cents per pound, bringing the quoted price down from $1.45 per pound to $1.25. Supplies were reported as adequate, but not abundant, and moving in a steady good volume against a sustained demand.

**Butyl Alcohol** — Production of normal butyl alcohol was reported by the Tariff Commission as 11,165,957 pounds in February, compared with the revised production figure for January of 10,448,920 pounds. The market was firm pricewise, with a moderate increase in demand.

**Castor Oil**—Prices on the oil were firm after the price reduction of the previous week. Supplies were abundant. Castor beans were still nominally quoted at $103 per long ton, with no offerings being made.

Arrivals of beans last week amounted to 10,868 bags equivalent to 1,630,200 pounds, compared with 38,844 bags or 5,826,600 pounds the previous week, and 11,222 bags or 1,683,300 pounds during the corresponding week of last year.

Total arrivals since January 1 of this year amounted to 768,830 bags equivalent to 115,314,500 pounds, compared with 517,890 bags or 77,683,500 pounds during the corresponding period of last year.

**Codliver Oil** — Imports last week amounted to 1,320 drums. Supplies this year were regarded as short, but a firm price structure prevailed in the market and it was felt that the current quotations would hold.

**Ethyl Acetate**—The market for the ethyl solvents was steady after showing some indications of improvement with the spring months. In line with solvents generally, ethyl esters were off appreciably in demand from a year ago, but were holding their own in the current solvents market. Both synthetically produced material and the fermentation product were being marketed under the same low price schedule in which tankcars were quoted

*For Late Market Developments, See Page 4*

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at 10c. per pound for the 85 percent grade, 10¼c. for the 95 to 98 percent grade, and 10½c. for the 99 percent grade. There were no indications of any price changes likely to develop in the immediate future and the industry looked forward to a sustained period of price stability.

Tariff Commission reports showed the production of 85 percent ethyl acetate for February as 3,653,222 pounds, a marked drop from the revised production figure for January of 6,381,019 pounds.

**Ethyl Ether**—This market was reported as relatively steady but eased somewhat in recent weeks. Prices were firm at the lower levels recently established. The combined production of technical and USP material was reported by the Tariff Commission as 3,078,330 pounds, compared with the January output of 2,741,231 pounds.

**Ethylenegylcol**—There was still a good demand for this item, but it was expected to seasonally ease in the immediate future. Prices were firm. February production was reported by the Tariff Commission as 25,021,091 pounds, compared with a January output of 33,908,347 pounds.

**Fishliver Oils**—Imports of sharkliver oil last week amounted to 636 drums. Prices were unchanged last week on both the east and west coasts. Offerings were said to be fairly good, and business operated at a steady pace.

**Formaldehyde**—This market in so far as prices were concerned has remained unchanged since late December. Supplies were abundant and demand moderate. Production in February was reported by the Tariff Commission as 43,589,453 pounds on a 37 percent by weight basis, compared with 48,875,043 pounds in January.

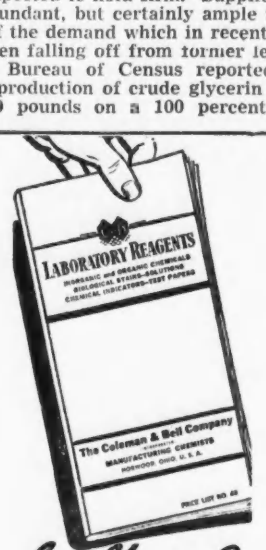
**Glycerin**—Crude glycerin prices in relation to the price structure of refined glycerin were listed at 16¾c. per pound for the saponification grade, and 15¼c. for the soaplye grade. These prices at the moment were somewhat nominal in so much as the non-refiners such as the soapers and the fat splitters were tending to hold crude glycerin off the market for a higher price. Last week they were asking prices for saponification ranging from 18c. to 18¾c. per pound.

In view of that situation, glycerin refiners were not buying the crude, because they were able to produce sufficient crude of their own to meet their needs and the demand for glycerin was being satisfied. In evaluating the current crude glycerin situation, it should not be overlooked that the Argentine is holding heavy inventories of crude glycerin which they had hoped to sell at a substantial price to the American market in the event of war. There, is accordingly, the possibility that such large stocks may be offered to the American market at a reasonable level if the supposed threat of imminent conflict subsides. This would not be a too comfortable situation pricewise for those who are now inclined to hold crude for higher prices. Moreover, it is understood that Germany has stocks of glycerin either purchased or under contract to carry it well into the third quarter. Under these conditions, the allotted funds for the Army to purchase some 2,000 tons of glycerin may not be used for the purpose. This is particularly an indicated possibility in view of certain economy practices which in recent days seems to have been introduced into Army procedure.

In view of these factors, it was expected in certain quarters that the currently listed prices will become less nominal and more actual in the coming weeks.

Refined glycerin prices were unchanged and expected to hold firm. Supplies were not abundant, but certainly ample to take care of the demand which in recent weeks has been falling off from former levels.

The Bureau of Census reported February production of crude glycerin at 13,650,000 pounds on a 100 percent basis.



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compared with January output at 14,742,000 pounds. Factory and warehouse stocks of crude at the end of February stood at 11,496,000 pounds, an increase of 1,693,000 pounds over the stocks held at the end of January. Production in February of high gravity and yellow distilled glycerin amounted to 4,689,000 pounds against 5,920,000 pounds in January. Chemically pure glycerin output in February was 8,956,000 pounds, notably under the 10,530,000 pounds produced in January.

The overall trend in February was an increase in stocks of 244,000 pounds, despite the drop in production of all grades totaling in decline 2,897,000 pounds.

**Menthol**—This market was stronger last week with prices advancing late in the week from around $8.60 to $9 per pound, duty paid. Factors behind the sudden spurt upward lay in the reportedly shorter crop from Brazil, in the threat to supplies from the Far East due to war conditions, and in the tendency toward speculation. The price advance of 40 cents per pound brought the range of current quotations on spot material up to $9 to $9.25 per pound.

**Methanol** — The recent decline of 10c. per gallon on natural methanol had no effect on the price position of synthetic material because the production of natural is only approximately 1½ percent of the total methanol output.

Methanol prices were holding firm last week in so far as the synthetic material was concerned. Tariff Commission reports indicated that February production of synthetic methanol in February was 84,880,153 pounds, compared with the January output of 96,320,798 pounds.

**Milk Powder**—Under the stimulus of government buying and parity price support policy recently established, the commercial market became stronger pricewise last week. Commercial quotations at New York on roller process skimmed milk powder advanced ¾c. per pound to bring the range of quotations up to 10½c. to 12¾c. per pound with most of the material moving at from 10¾ to 12¼c. Spray process skimmed milk powder advanced ½c. per pound bringing commercial quotations at New York up to 12½c. to 13¾c. per pound with most material moving in the range of 12¾c. to 13¼c.

Commercial demand for milk powder was said to be improved slightly and most quarters were looking forward to a steady market at the higher price levels. Purchases of skimmed milk powder by CCC last week amounted to 12,564,650 pounds of spray process material at 12c. to 12¼c. per pound f.o.b., and 6,751,025 pounds of roller process material at 11c. per pound.

**Penicillin and Salts**—The revised production figure on penicillin output in 1948 was reported by the Tariff Commission as 95,855,335 million Oxford units. This year February production was 9,763,388 million units, compared with January output of 10,518,919 million units. Prices were reported unchanged.

**Phenobarbital and Salts**—The market for these materials reported as steady under a firm price structure. Tariff Commission reports indicated production in February was 41,048 pounds, compared with 39,276 pounds in January.

**Phenylacetamide** — This penicillin precursor was reduced in price 20c. per pound, which brought the price down from $1.45 to $1.25. The demand was reported to be holding up well due to the sustained strong demand for penicillin, while the supply situation was described as adequate but not excessive.

**Streptomycin**—A steady production of this antibiotic was reported, with demand well sustained and the supply situation able to take care of the immediate demand, so far as actual needs were concerned. Tariff Commission reports showed February production at 5,714,771 grams, compared with 5,971,401 grams in January.

**Sugar**—For the week ended April 16, primary sugar distribution amounted to 113,894 tons, compared with 139,670 tons for the week ended April 9. This brought the 1949 total to mid-April, up to 1,970,269 tons, compared with 1,605,442 tons during the corresponding period of last year.

**Sulpha Drugs**—The demand for these materials was still holding up well it was reported. Output in February was reported by the Tariff Commission as 527,435 pounds, compared with January production of 414,280 pounds.

**Theophylline**—Effective May 2, a major producer of this material announced a $1.50 per pound price reduction on this item. The new price on lots of 100 pounds or more will be $6 per pound instead of the former $7.50.

## Pharmaceutical Industry 1947 Statistics Reported

Manufacturers in the pharmaceutical preparations industry, the most important of the four industries classified in the drug and medicine group, shipped products valued at $941,700,000 during 1947, according to preliminary figures released by the Bureau of the Census, Department of Commerce. This is an increase of 178 percent over the $338,200,000 value of products reported by this industry in 1939, when the last census of manufactures was taken. Value added by manufacture in the industry during 1947 amounted to $609,100,000, an increase of 161 percent over the $233,500,000 value added in 1939.

Production workers employed in the industry averaged 42,561 in 1947 as compared with 19,637 in 1939. Wages paid to production workers increased 367 percent, from $21,200,000 in 1939 to $98,900,000 in 1947. The industry's expenditures for new plant and equipment during 1947 totaled $59,400,000.


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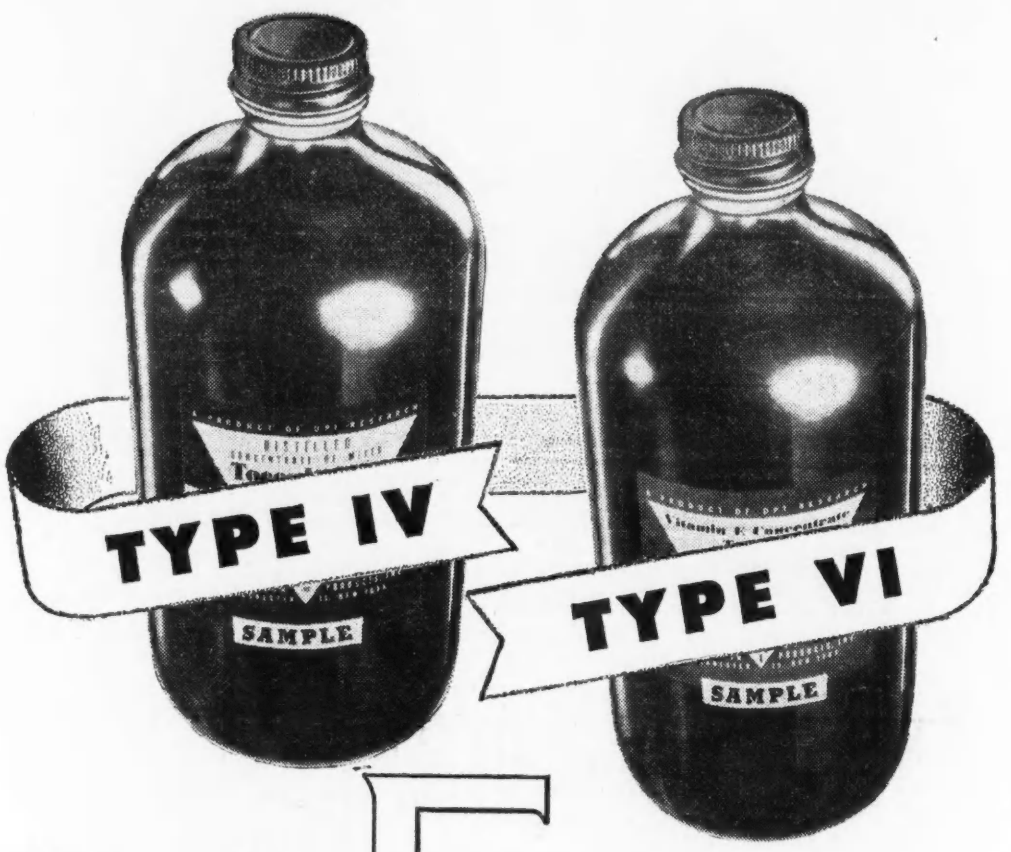


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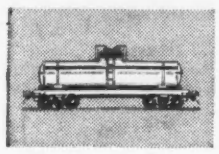

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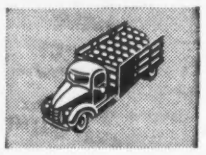

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## *Health Insurance Bill*

*—Continued from page 7*

facturers Association readopted and reaffirmed a resolution on extension of medical care which it adopted in 1939. The resolution read as follows:—

1. It is recognized that there exists today a demand for equalization of medical care.

2. The broad principle of having available adequate medical and hospital facilities for all, is hereby endorsed.

3. Any plan or plans adopted to effectuate these principles should embrace the following policies to insure preservation of those portions of our medical system proven to be of greatest value in keeping this nation first among all nations in matters of health:—

(a) The availability of the existing non-governmental plans for voluntary sickness, insurance and hospitalization should be extended and their principles furthered.

(b) So far as it is possible the existing fee basis for individual medical service and the fundamental rights of the individual to select his physician should be preserved.

(c) The extent of Federal assistance should be based upon actual need in the individual states and their subdivisions as shown by a thorough current national study.

(d) Individuals should be required to contribute to their own medical and hospital needs to the full extent of their economic ability.

(e) The determination of the need for medical treatment of those coming under any plan should be kept in the hands of private physicians.

(f) The determination of the need for financial assistance of those coming under any plan should be by means of a formula based upon the individual's assets and current income compared to the demonstrated cost of medical and hospital care in the particula. community. Governmental aid should be confined to the difference between cost of such services and the demonstrated ability to pay.

(g) Participation in any such plan should be entirely voluntary.

(h) Federal assistance should be in outright grant to states based upon the actual need as disclosed by application of the formula to all those who elect to embrace the plan.

(i) Any such plan should give to the states the absolute right to participation in the plan upon fulfillment of the conditions prescribed by Congress. From a purely administrative determination of the facts of compliance or non-compliance appropriate methods of judicial review should be available.

(j) Fullest possible use should be made of the existing hospital facilities. Adequate provision should be included to prevent duplication of such facilities. Only where actual need is demonstrated should such facilities be augmented.

(k) Federal appropriations for those purposes should be definite in the amount and determined by examination of demonstrated needs from session to session by Congress.

4. Legislation safeguarding these principles should have the active support of all interested parties.

### APhA Goes on Record

The house of delegates of the American Pharmaceutical Association, meeting in Jacksonville on April 27, passed a resolution stating that compulsory health insurance would "demoralize the medical field" and result in costs "fantastically high."

The resolution said such a bill was unsound because of its "dubious value when seen against the background of American democratic processes; the apprehension that it would lower standards of medical care and probably make it still more difficult to obtain; the fear that it would impair medical education and stifle research; a conviction that it would politicalize medical services, thus demoralizing the field; a certainty that the costs would be fantastically high with no one knowing what might be the ultimate tax burden upon the public."


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ASBESTOS FIBER—146 bgs, Berg Hedstrom, African Pilot, Capetown
10,800 bgs, Union Asbestos & Rubber Co, African Dawn, Lourenco Marques

ASCORBIC ACID—6 cs, Ida Bakke, Antwerp
7 cks, Biddle-Sawyer Corp, Knut Bakke, Antwerp

ASPHALT—4,044 bbls, Barber Oil Corp, Makena II, Trinidad
625 dms, Barber Oil Corp, Makena II, Trinidad

BEESWAX—54 bgs, Hamilton & Co, Agwimonte, Vera Cruz
13 bgs, Schutte & Focke, Kathryn, Ciudad Trujillo
25 seroons, Robinson Walter, Agwidawn, Puerto Plata
60 bgs, Marine Midland Trust Co, Copan, Puerto Barrios
63 bgs, Manufacturers Trust Co, Copan, Puerto Barrios
10 bgs, Geck Trading Co, Copan, Puerto Barrios
30 bgs, Agwiking, Havana

BERGAMOT OIL—50 cs, George Lueders & Co, Blydendyk, Rotterdam
88 cs, C G Thulin, Messina

BERYL ORE—1,500 bgs, Foote Mineral Co, Mormacwren, Victoria
1,360 bgs, The Beryllium Corp, Mormacwren, Victoria
550 bgs, The Beryllium Corp, Argentina, Rio de Janeiro

BISMUTH METAL—111 bxs, Cerro de Pasco Copper Corp, Santa Margarita, Callao

BONEMEAL—1,120 bgs, T M Duche & Sons, Knut Bakke, Antwerp
800 bgs, Jung Fordard Co, Rialto, Hull
2,000 bgs, Media, Liverpool

CANDELILLA WAX—4,625 bgs, G Jimenez Corp, Agwimonte, Tampico

CARAWAY SEED—100 bgs, Ida Bakke, Rotterdam
100 bgs, Knut Bakke, Rotterdam
250 bgs, Zaloom Bros, Gundrun Maersk, Rotterdam
100 bgs, Levy & Lewis Co, Gundrun Maersk, Rotterdam
200 bgs, Louis Furth Co, Gundrun Maersk, Rotterdam
150 bgs, A Gronowitz Co, Westerdam, Rotterdam
100 bgs, Catz American Co, Arkeldyk, Rotterdam

OIL—1 dm, Fritzsche Bros, Inc, Westerdam, Rotterdam

CARDAMOM SEED—97 cs, Copan, Puerto Barrios

CARNAUBA WAX—55 bgs, Smith & Nichols Co, Mormacdale, Fortaleza
55 bgs, Wessel, Duval & Co, Mormacdale, Fortaleza
56 bgs, Natural Products Corp, Mormacdale, Fortaleza
250 bgs, S C Johnson Co, Mormacdale, Fortaleza
22 bgs, Mormacdale, Fortaleza
56 bgs, William Diehl Co, Mormacdale, Fortaleza
22 bgs, Strohmeyer & Arpe Co, Mormacdale, Fortaleza
56 bgs, Frank B Ross, Mormacdale, Fortaleza
224 bgs, Cornelius Products Corp, Mormacdale, Fortaleza
56 bgs, F W Steadman Co, Mormacdale, Fortaleza
56 bgs, W M Allison & Co, Mormacdale, Fortaleza
56 bgs, W R Grace & Co, Mormacdale, Fortaleza
125 bgs, Pellew Wilson Co, Mormacdale, Parnahyba
126 bgs, Strohmeyer & Arpe Co, Mormacdale, Parnahyba
313 bgs, F Henjes & Co, Mormacdale, Parnahyba
312 bgs, Wax & Rosin Prod Co, Mormacdale, Parnahyba
55 bgs, Wax & Rosin Prod Co, Mormacdale, Fortaleza

CASEIN — 1,500 bgs, American Cyanamid Co, Argentina, Buenos Aires

CASTORBEANS—3,334 bgs, Baker Castor Oil Co, Mormacwren, Bahia
848 bgs, Spencer Kellogg & Sons, Inc, Paul Revere, Bahia
5,093 bgs, Baker Castor Oil Co, Mormacdale, Cabedello
1,693 bgs, Spencer Kellogg & Sons, Inc, Mormacdale, Maceio

CHROME ORE—2,504 tons, E J Lavino Co, African Dawn, Lourenco Marques

CINCHONA BARK—42 bgs, Santa Cecilia, Callao

CINNAMON LEAF OIL—5 dms, R C Treatt & Co, African Pilot, Mombasa
1 cs, George Lueders & Co, Steel King, Colombo
1 cs, Dodge & Olcott Inc, Steel King, Colombo

QUILLS—100 bls, Volkart Bros, Steel King, Galle
50 bls, Volkart Bros, Inc, Steel King, Colombo
100 bls, Chevalier & O'Connor, Pacific Stronghold, Colombo

CITRONELLA OIL—20 dms, Copan, Puerto Barrios
100 dms, National City Bank, Copan, Puerto Barrios
6 dms, Dodge & Olcott Inc, Steel King, Callao
27 dms, Norda Essential Oil & Chemical Co, Steel King, Colombo

COCOA RESIDUE — 354 bls, Metallo Chemical Corp, Mormacwren, Bahia

CODLIVER OIL—200 bbls, Eelsingh & Lutgheid Co, Stavangerfjord, Bergen
200 bbls, Chas L Huisking Co, Stavangerfjord, Bergen
100 dms, Arista Oil Products Corp, Stavangerfjord, Bergen
250 dms, Rexall Drug Co, Godafoss, Reyjavik, Bergen
300 dms, Arista Oil Products Corp, Lyngenfjord, Aalesund
50 bbls, Arista Oil Products Corp, Lyngenfjord, Aalesund
100 bbls, Charles L Huisking Co, Lyngenfjord, Aalesund
100 dms, R J Prentiss & Co, Lyngenfjord, Bergen
10 dms, United Fruit Co, Lyngenfjord, Bergen

COPAL GUM—34 bgs, W H Scheel Co, Triton, Manila

CORIANDER SEED—1 cs, Dodge & Olcott, Inc, African Pilot, Mombasa

CREAM OF TARTAR—200 kgs, Bank of New York & 5 Ave, Mount Davis, Naples
100 cks, T M Duche & Sons Co, Mount Davis, Genoa

CRESYLIC ACID — 90 dms, American British Chemical Supply Co, American Inventor, Sydney
50 dms, Media, Liverpool

CROTON OIL—5 cs, Welsh Prince, London

CRUDE DRUGS—10 cs, S B Penick & Co, Steel King, Colombo
10 cs, S B Penick & Co, C G Thulin, Piraeus
26 bgs, S B Penick & Co, Mount Davis, Leghorn

CYANIDE PRECIPITATE—12 cs, American Metal Co, Santa Cecilia, Puna
10 cs, Irvington Smelting & Refining Co, Santa Cecilia, Puna

DAMMAR GUM—42 bgs, Gillespie-Rogers-Pyatt Co, Pacific Stronghold, Singapore
236 bgs, O G Innes Corp, Mount Davis, Singapore

DEXTRIN—150 bgs, Stein Hall & Co, Westerdam, Rotterdam
100 bgs, Mornjngstar, Nichols Co, Niew Amsterdam, Rotterdam

DYESTUFFS—8 dms, Ciba & Co, America, Havre
7 cks, Sterone & Co, Blydendyk, Antwerp

ERYTHRITYL TETRANITRATE—1 cs, Burroughs, Wellcome Co, Welsh Prince, London

ESSENTIAL OILS—14 dms, F D Keller Co, Pirre De Saurel, Alicante

EUCALYPTUS OIL—6 dms, Norda Essential Oil & Chemical Co, Mormacwren, Santos
6 dms, American Inventor, Sydney
56 dms, Orbis Products Corp, American Inventor, Sydney
3 dms, Bank of New South Wales, American Inventor, Sydney
26 dms, Commercial Bank of Sydney, American Inventor, Sydney
33 dms, Orbis Products Corp, American Inventor, Sydney

FENUGREEK SEED—285 bgs, Otto Gerdau Co, Mount Davis, Bombay

FISHLIVER OIL—78 dms, Consumers Import Co, Triton, Yokohama

FISHMEAL—375 bgs, Balfour, Guthrie Co, Santa Elisa, Callao
5,173 bgs, Albumina Supply Co, Pierre De Saurel, Setubal
1,667 bgs, Albumina Supply Co, Pierre De Saurel, Leixoes

FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
90,000 bbls, Esso Standard Oil Co, Esso Bolivar, Aruba
63,992 bbls, Petroleum Heat & Petroleum Corp, Richard J Cleveland, Curacao
108,000 bbls, Esso Export Corp, Esso Hartford, Aruba
103,864 bbls, Esso Export Corp, New London, Caripito

GRAPHITE—250 bgs, J Dixon Crucile Co, Pacific Stronghold, Colombo
535 bgs, Charles Pettinos Co, Pacific Stronghold, Colombo
68 bgs, Subox, inc, Exeter, Genoa

GUM—500 bgs, Yervand Djabajian, Khdive Ismail, Beirut

GYPSUM—224 bgs, Media, Liverpool
2,518 tons, Newark Plaster Co, Lake Capeno, Walton

INSECTICIDE CONCENTRATE—1 cs, E I du Pont de Nemours & Co, Welsh Prince, London

HENNA LEAVES—60 bls, J L Hopkins Co, Khdive Ismail, Alexandria

KAMALA POWDER—56 bgs, S B Penick & Co, Mount Davis, Bombay

KARAYA GUM—209 bgs, Dodwell & Co, Mount Davis, Bombay
246 bgs, Paul A Dunkel, Mount Davis, Bombay
141 bgs, Gold Medal Haarlem Co, Mount Davis, Bombay
333 bgs, Thurston & Braidich, Mount Davis, Bombay

KIRILAC—400 bgs, The Mac Lac Co, Steel King, Calcutta

KYANITE ORE—265 tons, Golwynne Chemical Co, African Pilot, Mombasa

LEMON OIL—40 cs, W I Chudleigh Co, C G Thulin, Messina
10 cs, Manufacturers Trust Co, C G Thulin, Messina

PEEL—13 bgs, The Meer Corp, Pierre De Saurel, Alicante
25 bgs, Peek & Velsor, Inc, Pierre De Saurel, Alicante

LEMONGRASS OIL—25 dms, Copan, Puerto Barrios
4 dms, Givaudan-Delawana, Inc, Copan, Puerto Barrios
12 dms, Norda Essential Oil & Chemical Co, Mount Davis, Cochin

LIME OIL—7 cs, Makena II, St Lucia
2 cks, Makena II, St Lucia

LIVER MEAL—333 bgs, Wessel, Duval & Co, Scania, Puerto Alegre

LOCUSTBEAN GUM—200 bgs, Bank of Athens, Southstar, Piraeus
100 bgs, Bank of New York & Fifth Ave., Media, Liverpool
325 bgs, Exeter, Genoa
50 bgs, T M Duche & Sons Co, Exeter, Genoa

MAGNESIUM CARBONATE—50 cs, Khdive Ismail, Genoa

MANGROVE BARK—3,287 bgs, Irving Trust Co, African Pilot, Kilwa

MASTIC GUM—10 cs, Irving Trust Co, C G Thurlin, Piraeus

MEDICINAL HERBS—21 bgs, E Meer Corp, Arkeldyk, Antwerp
28 bls, Max Van Pels, Arkeldyk, Antwerp
53 bls, S B Penick & Co, Arkeldyk, Antwerp
5 bls, Eli Lilly & Co, Arkeldyk, Antwerp
9 bls, S B Penick & Co, Mount Davis, Leghorn

MELALECCA OIL—4 dms, American Inventor, Sydney

MENTHOL—100 cs, Paul A Dunkel Co, Mormacwren, Santos
17 cs, Volkart Bros, Mormacwren, Santos
75 cs, Bunge Corp, Mormacwren, Santos

MICA—83 cs, Chase National Bank, Fort Musquarro, London
28 cs, Colonial Trust Co, Paul Revere, Rio de Janeiro
26 cs, Sylvania Electric Products Corp, Paul Revere, Rio de Janeiro
33 cs, Colonial Trust Co, Argentina, Rio de Janeiro
18 cs, Sylvania Electrical Products Corp, Argentina, Rio de Janeiro
64 cs, Eugene Munsell Co, Argentina, Rio de Janeiro
24 cs, United Mineral & Chemical Co, Argentina, Rio de Janeiro
78 cs, Texline, Inc, Argentina, Rio de Janeiro
72 cs, Western Hemisphere Raw Materials Corp, Argentina, Rio de Janeiro
35 cs, Ford Radio & Mica Co, Argentina, Rio de Janeiro
33 cs, Asheville Schoonmaker Mica Co, Argentina, Rio de Janeiro
191 cs, Cornelius & Suhr Co, Steel King, Calcutta

MOLASSES—1,931,168 gals, Instituto Cuba De Estabilizacion, Dean H, Havana
1,408,774 gals, Instituto Cuba De Estabilizacion, Andrew A Humphreys, Preston

MYROBALANS—3,680 bgs, Barkey Import Corp, Mount Davis, Bombay

NAPHTHALENE—1,250 bgs, Charles Page & Co, Gundrun Maersk, Rotterdam

OCHER—64 cs, J Osborn Co, African Pilot, Mossel Bay

OLIVE OIL—100 dms, Old Monk Olive Oil Co, Exeter, Marseilles

ORANGE OIL—2 cs, Cape Cumberland, Kingston

OURICURY WAX—112 bgs, E H Paul & Stein Co, Mormacwren, Bahia
56 bgs, Avon Trading Co, Mormacwren, Bahia
56 bgs, J W Hanson Co, Mormacwren, Bahia
63 bgs, W R Grace & Co, Paul A Revere, Bahia

OXALIC ACID—261 cks, Sterone Corp, Gundrun Maersk, Antwerp

PALMAROSA OIL—2 bbls, George Luelders & Co, Mount Davis, Bombay

PAPAIN—214 cs, Charles L Huisking Co, African Pilot, Mombasa
110 cs, National City Bank, African Pilot, Mombasa

PAPRIKA—100 bgs, A A Sayia & Co, Pierre De Saurel, Alicante
150 bgs, Archibald & Kendall, Pierre De Saurel, Alicante
100 bgs, P H Petry Co, Pierre De Saurel, Alicante
250 bgs, Wurm Bros, Pierre De Saurel, Alicante
100 bgs, Wurm Bros, Pierre De Saurel, Alicante

PATCHOULI OIL—8 dms, Antoine Chiris Co, Mount Davis, Penang

PEATMOSS—1,051 bls, Premier Peat Moss Co, Selma Thordem, Gothenburg

PEPPER, BLACK—215 bgs, Westerdam, Rotterdam
240 bgs, J Berlage Co, Mount Davis, Cochin
800 bgs, Mincing Trading Corp, Mount Davis, Cochin
240 bgs, C Czarnikow Co, Mount Davis, Cochin
960 bgs, Arthur G Dunn Co, Mount Davis, Cochin
154 bgs, Balex & Co, Mount Davis, Cochin
260 bgs, Volkart Bros Co, Menestheus, Cochin
32 bgs, East Asiatic Co, Menestheus, Cochin
260 bgs, Volkart Bors Co, Menestheus, Cochin
160 bgs, Arthur G Dunn Co, Menestheus, Cochin
240 bgs, Mincing Trading Co, Menestheus, Cochin
200 bgs, East India Trading Co, Menestheus, Cochin
80 bgs, Catz American Co, Exeter, Genoa
110 bgs, Niew Amsterdam, Rotterdam
80 bgs, Joensson & Cross, Inc, Niew Amsterdam, Rotterdam

WHITE—44 bgs, Arthur G Dunn Co, Westerdam, Rotterdam
29 bgs, Otto Gerdau Co, Westerdam, Rotterdam
29 bgs, Mutual Spice Co, Westerdam, Rotterdam
30 bgs, Polak Trading Co, Westerdam, Rotterdam
105 bgs, M Golodetz Co, Westerdam, Rotterdam
90 bgs, Westerdam, Rotterdam
35 bgs, H Marmorek Co, Arkeldyk, Antwerp

PETROLEUM, CRUDE—123,508 bbls, Socony Vacuum Oil Co, Camp Namanu, Puerto La Cruz
4,632 tons, California Ref Co, Macoa, Las Peidras
6,893 tons, California Ref Co, Macoa, Las Peidras
124,369 bbls, Socony Vacuum Oil Corp, Satucket, Puerto La Cruz
113,863 bbls, Esso Standard Oil Co, Kittanning, Cartagena
120,347 bbls, California Ref Co, Rock Landing, Puerto La Cruz

POPPYSEED—100 bgs, Levy & Lewis Co, Gundrun Maersk, Rotterdam
300 bgs, Catz American Co, Westerdam, Rotterdam
300 bgs, Levy & Lewis Co, Niew Amsterdam, Rotterdam

PSYLLIUM HUSKS—982 bgs, S B Penick & Co, Mount Davis, Bombay

PYRETHRUM FLOWERS—250 bls, John Powell & Co, African Pilot, Mombasa
500 bls, U S Industrial Chemicals, Inc, African Pilot, Mombasa

PYRIDIN—11 dms, American Cyanamid Co, Ida Bakke, Antwerp

QUEBRACHO EXTRACT—2,130 bgs, C M Loeb Rhoades Co, Argentina, Buenos Aires
3,950 bgs, River Plate Import & Export Co, Argentina, Buenos Aires

RESIN—1 cs, M J Corbett Co, De Grasse, Havre

RHATANY ROOT—36 bgs, Santa Cecilia, Callao

SAFFRON—2 cs, C Puzzi Co, Exeter, Genoa

SAGO FLOUR—673 bgs, Stein, Hall & Co, Menestheus, Singapore

SANDALWOOD—250 bgs, George Lueder & Co, Mount Davis, Bombay
100 bgs, Dodge & Olcott, Inc, Mount Davis, Bombay
32 bgs, Peek & Velsor, Inc, Mount Davis, Bombay
820 bgs, W J Bush Co, Mount Davis, Bombay

SEEDLAC—100 bgs, Dings & Schuster Co, Steel King, Calcutta
500 bgs, The Mac Lac Co, Steel King, Calcutta
1,192 bgs, Alfred Kramer Co, Christer Salem, Kohsichang
150 bgs, Haeuser Shellac Co, Christer Salem, Kohsichang
250 bgs, Schwab Bros, Christer Salem, Kohsichang

SHARKLIVER OIL—3 dms, Collett, Week & Nibecker Co, Stavangerfjord, Gothenburg
380 dms, First National Bank, Stavangerfjord, Bergen
10 dms, Charles L Huisking Co, Stavanfjord, Bergen
100 dms, Arista Oil Products Co, Lyngenfjord, Aalesund
30 dms, Vitaron Chemical Co, Lyngenfjord, Aalesund
6 dms, Anewalt Schmitt Co, Argentina, Buenos Aires
21 dms, Bank of California, American Inventor, Melbourne
8 dms, National City Bank, American Inventor, Melbourne

SHELLAC—50 cs, F H Paul & Stein Co, Westerdam, Rotterdam
60 bgs, F H Paul & Stein Co, Westerdam, Rotterdam
30 bgs, F H Paul & Stein Co, Westerdam, Rotterdam

SODIUM, METAL—794 dms, International Commodities Corp, Emma Bakke, Antwerp

STRONTIUM CARBONATE—34 cs, Exeter, Marseilles

SULPHUR—20 cks, Lo Curto & Funk Co, Media, Liverpool

TARTARIC ACID—500 kgs, Mount Davis, Genoa

TEA WASTE—2,400 bgs, Gillespie & Co, Steel Maker, Calcutta
1,424 bgs, Citro Chemical Co, Fort Musquarro, London

TOLU BALSAM—20 cs, Cape Cumberland, Barranquilla

TRAGACANTH GUM—30 cs, V Simidian Co, Exeter, Beirut

TUCUM KERNELS—3,077 bgs, General Foods Corp, Mormacdale, Parnahyba
4,614 bgs, E F Drew Co, Mormacdale, Parnahyba

TUNG OIL—52 tons, Pacific Vegetable Oil Co, Triton, Shanghai

TURMERIC—70 bgs, Gillespie & Co, Cape Cumberland, Kingston
300 bgs, Otto Gerdau Co, Menestheus, Cochin
20 bgs, Otto Gerdau Co, Menestheus, Cochin

ULTRAMARINE BLUE—250 cks, Standard Ultramarine Blue Co, Rialto, Hull

VANILLA BEANS—6 cs, L A Champon Co, African Pilot, Mombasa

VETIVER OIL—2 dms, Norda Essential Oil & Chemical Co, Menestheus, Singapore
1 dm, J Manheimer Co, Menestheus, Singapore

WATTLE BARK—1,902 bls, Bank of New York & Fifth Ave, African Pilot, Mossel Bay
875 bls, Hammond & Carpenter Co, African Dawn, Durban

EXTRACT—1,394 bgs, M S Kattenhorn Co, African Dawn, Durban
503 bgs, American Cyanamid Co, African Dawn, Durban

WHITING—2,000 bgs, Nicholas H Weitzner Co, Knut Bakke, Antwerp
200 bgs, Davis Turner Co, Fort Musquarro, London
700 bgs, H J Baker Bros, Media, Liverpool
600 bgs, Rheis & Co, Media, Liverpool
1,700 bgs, National City Bank, Welsh Prince, London

WOLFRAM ORE—1,500 bgs, Chemical Bank & Trust Co, Santa Margarita, Arica
600 bgs, Philipp Bros, Santa Margarita, Arica

WOOL GREASE—45 dms, Robinson Wagner, American inventor, Sydney
150 dms, Hummel Chemical Co, Ida Bakke, Antwerp
150 bgs, Hummel Chemical Co, Knut Bakke, Antwerp
96 dms, Hummel Chemical Co, Rialto, Hull

ZIRCON SAND—9,986 bgs, Bank of New South Wales, American Inventor, Sydney

## Boston

COCONUT OIL—1,043 tons, Lever Bros, Triton, Cebu

## Norfolk

COCOA RESIDUE—5,381 bgs, Monsanto Chemical Co, Blydendyk, Rotterdam

## Philadelphia

### April 21 to April 26

ARABIC GUM—150 bgs, Innis, Speiden Corp, Manipur, Port Sudan

BLUEING—645 cs, Atlantis Sales Co, American Flyer, Bremen

BONES—200 tons, Transatlantic Animal By-Products Corp, Tekla, Buenos Aires
385 bgs, Hafleigh Co, Tekla, Santos

CHROME ORE—9,000 tons, E J Lavino & Co, Travik, Masinloc

COCOA CAKE—833 bgs, Blumenthal Bros, Bunker Hill, Ilheus

GAS PURIFYING MATERIALS—1,001 tons, Alpha Lux Co, Black Eagle, Rotterdam

GLUESTOCK—87 bls, Fulton Weeks Co, Bunker Hill, Rio de Janeiro
250 tons, Transatlantic Animal By-Products Corp, Tekla, Buenos Aires
25 tons, E J Lang Co, Tekla, Buenos Aires

HOPS—70 bls, F H Shallus Co, American Flyer, Bremen

MAGNESIUM SCRAP—75,803 lbs, American Flyer, London
12,360 lbs, Aero Sea Shipping Co, American Flyer, London

MANGANESE ORE—6,350 tons, E J Lavino Co, K C Rogenaes, Takoradi

MOLASSES—1,904,368 gls, Publicker Industries, Inc, Natico, Guayabal
1,160,957 gls, Publicker Industries, Inc, Diviano Banes
520,325 gls, Publicker Industries, Inc, Oscar S Strauss, Matanzas
1,443,561 gls, Publicker Industries, Inc, Oscar S Strauss, Bofadero

PETROLEUM, CRUDE—92,173 bbls, Atlantic Ref Co, Brunswick, Las Piedras
136,838 bbls, Atlantic Ref Co, E J Henry, Las Tanura
109,903 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
101,076 bbls, Cities Service Oil Co, Fort Hopkins, Tampico
108,106 bbls, Socony Vacuum Oil Co, Tascalusa, Mena El Ahmadi
168,480 bbls, Socony Vacuum Oil Co, Nashbulk, Mena El Ahmadi
117,942 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
121,146 bbls, Gulf Oil Corp, Gulftrade, Puerto la Cruz

WATTLE BARK—3,850 bls, Olson Sales Agency, African Crescent, Durban

EXTRACT—2,260 bgs, Olson Sales Agency, Great Falls Victory, Durban
3,300 bgs, Olson Sales Agency, Great Falls Victory, Durban

## San Francisco

### April 19 to April 23

BABASSU KERNELS—8,333 bgs, S L Jones & Co, Brinanger, Maranho

CALCIUM NITRATE—24,000 bgs, Wilson & George Meyer Co, Tosca, Oslo

COPAL GUM—60 bgs, Bank of California, Sally Maersk, Manila
376 bgs, American Cathy Trading Co, Sea Serpent, Manila

COPRA—300 tons, Cargill, Inc, Pacific Bear, Cebu
500 tons, El Dorado Oil Works, Pacific Bear, Cebu
600 tons, Cargill, Inc, American Transport, Cebu
MEAL—11,200 bgs, Vegetable Oil Products Corp, American Transport, Cebu

FISHLIVER OIL—10 dms, California Packing Co, Sally Maersk, Keelung

GINGER ROOT—50 bgs, A Shilling & Co, Loch Ryan, Kingston
11 bgs, Mincing Trading Co, Loch Ryan, Kingston

LEAD ORE—985 bgs, Fred H Lenway Co, Pacific Bear, Kobe
840 tons, J Henry Schroder Co, Pachitea, Mollendo
250 bgs, W R Grace & Co, Charles E Dant, Inchon

PHENOL—1 dm, Fred H Lenway Co, China Victory, Shanghai

PYROTECHNICS—235 cs, E P Dow & Co, Sea Serpent, Hongkong
277 cs, Walace Clark Co, Sally Maersk, Hongkong

SHARK LIVERS—28 cans, Peter Campanelli, President Jefferson, Alexandria

TUNG OIL—450 tons, Vongher Low China Co, Sally Maersk, Shanghai

WHITING—10 bgs, Paul W Woods, Loch Ryan, London

## *Canadian Exports: Feb.*

Exports of various products from Canada in February, 1949, as compared with the corresponding month in 1948, have been reported as follows:—

| | February 1949 | February 1948 |
|---|---|---|
| Abrasives, artificial, crude | $1,020,000 | $835,000 |
| Acids | 276,000 | 391,000 |
| Artificial silk and products | 115,000 | 666,000 |
| Asbestos and products | 2,195,000 | 2,666,000 |
| Calcium compounds | 204,000 | 243,000 |
| Chemical products | 1,456,000 | 1,335,000 |
| Copper and products | 4,594,000 | 6,970,000 |
| Fertilizers | 3,204,000 | 2,731,000 |
| Lead and products | 2,392,000 | 1,066,000 |
| Medicinal preparations | 98,000 | 434,000 |
| Nickel | 7,986,000 | 5,223,000 |
| Paints and varnishes | 260,000 | 408,000 |
| Petroleum and products | 514,000 | 475,000 |
| Soda and sodium compounds | 304,000 | 242,000 |
| Vegetable fats and oils | 769,000 | 535,000 |
| Zinc and products | 3,712,000 | 1,364,000 |

## ECA Announces Additional

—Continued from page 4

cellaneous industrial nonferrous metals from the United States.

To Denmark—$2,400,000 for oilcake and meal and $1,074,000 for soybeans from the United States; $714,000 for copra from the Philippines; a decrease of $10,000 for chemicals, excluding fertilizers and synthetic rubber, from the United States.

To France—$500,000 for zinc, and $1,100,000 for copper from the United States; $1,420,000 for copper from Canada, $2,000,000 for copper from Latin America; $600,000 for nitrogenous fertilizers from Canada, and $5,820,000 for copper from Belgium.

To French Overseas Territories—$250,000 for crude oil and petroleum products from the United States.

To French Zone Germany—$161,000 for lard, $67,000 for tallow and other animal fats and oils, $35,000 for whale oil and fish oils, $67,000 for soap, soap stock and fatty acids, all from the United States, and a decrease of $220,000 for aluminum from Canada.

To Greece—$716,000 for soybean oil, and $1,261,000 for skim milk from the United States.

To Italy—$133,000 for copper from the United States.

To Netherlands—$190,000 for fertilizers, $330,000 for naval stores, $291,000 for chemicals, excluding fertilizers and synthetic rubber, and $13,000 for medicinal and pharmaceutical preparations, all from the United States; $694,000 for lead from Belgium, and a decrease of $40,000 for chemicals other than alcohol from Canada.

To Norway—$1,500,000 for oilcake and meal and $280,000 for soybeans from the United States; $357,000 for copra from the Philippines.

To United Kingdom—$9,499,000 for lard from the United States and a decrease of $100,000 for chemicals, excluding fertilizers and synthetic rubber, from the United States.

To Korea—$162,000 for whale oil and fish oils from the United States.

### Schwarz Making Malonitrile

Schwarz Laboratories, Inc., New York, has added malonitrile to its list of fine chemicals and is packaging the nitrile in fifty gram and 500 gram bottles. A complete description of the material's chemical and physical properties and references to recent studies and research in which it has been employed, may be obtained from the company at 202 East Forty-fourth street, New York 17.


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LIQUIDS

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*Inquiries Invited*

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ORGANIC PEROXIDES

TERTIARY BUTYL HYDROPEROXIDE
TERTIARY BUTYL PERBENZOATE
DI-TERTIARY BUTYL DIPERPHTHALATE
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## Obituaries

### Dr. Timothy J. Kurotchkin

Dr. Timothy J. Kurotchkin, research scientist with the Lederle Laboratories division of American Cyanamid Company, Pearl River, N. Y., died recently at Good Samaritan Hospital, Suffern. He was sixty years old.

Dr. Kurotchkin was a specialist in viral and rickettsial research and was in charge of typhus vaccine production at Lederle during the war. He was the author of sixty-five articles in medical mycology, bacteriology and clinical research. He was born in Siberia and came to the United States in 1938. He was a research assistant for a year at Harvard University Medical School before joining Lederle.

### Dr. Franklin Selden

Dr. Franklin Selden, president of the Upco Company, paint manufacturer, Cleveland, died in that city April 26 of a heart ailment. He was sixty-six years old.

Dr. Selden migrated to Cleveland from his native Germany in 1912. Shortly afterwards he entered the employ of the Upco organization and advanced steadily until he became president in 1930. He held a degree in chemistry from the University of Berlin and was a member of the Cleveland Paint, Varnish and Lacquer Association and the Cleveland Paint Production Club.

**Dr. Ismail Amin Abdul-Latif,** an instructor in Ohio State University's College of Pharmacy, died recently in White Cross hospital, Columbus, Ohio. An Egyptian by birth, he took his degree in pharmacology at Ohio State last year and intended to return to his homeland soon. He was thirty-one years old.

**John Aspinwall,** founder of the New York Leather & Paint Company and the Fabrikoid Company, died April 28 at his home in Balmville, N. Y. He was eighty-nine years old. Mr. Aspinwall had founded the New York Leather & Paint Company in 1899 and the Fabrikoid Company in 1902, and was president of the latter concern when it was sold to E. I. du Pont de Nemours & Co. in 1910.

**Ralph W. Bush,** retired secretary of Dodge & Olcott, Inc., essential oils, New York, died recently at his home in North Hackensack, N. J. He was seventy-six years old. He joined Dodge & Olcott fifty-nine years ago and retired last year.

**Richard R. Crandall,** consulting geologist, died recently at Huntington Memorial Hospital, Pasadena, Calif., of heart disease. He was forty-seven years old and resided in La Canada. He was a member of the American Association of Petroleum Geologists.

**Sir Robert Robertson,** director of the Salters Institute of Industrial Chemistry, England, since 1937, died April 28 in London. He was eighty years old. During both world wars Sir Robert directed explosives research at Woolwich Arsenal.

**Lafayette D. Lytle,** vice-president and director of publicity of the Coastal Oil Company, Newark, N. J., died in Muhlenberg hospital, Plainfield on April 27. He was sixty-two years old.

**Clifton C. Trees,** retired vice-president and general manager of the Carbo Oxygen Company, Pittsburgh, died April 26 in St. Agnes hospital, White Plains. He was fifty-nine years old.

**Louis R. Wallack sr.,** manager of the household division of R. M. Hollingshead Corporation, cleaning material manufacturers, Camden, N. J., died April 26 of a cerebral hemorrhage. He was fifty-one years old.

### King & Lange Changes Name

The Robert J. King Company, manufacturing chemist, Norwalk, Conn., is again functioning under that name, after having been known as King & Lang, Inc., for several years. Robert J. King continues as president of the organization, R. Gardner King as vice-president and Elizabeth C. King as secretary and treasurer.

### Merck Advances Bartenstein

Fred Bartenstein, jr. has been named an assistant secretary of Merck & Co., manufacturing chemists, Rahway, N. J. He joined Merck as a member of the legal department in 1942 and was appointed general attorney and head of the department last year.

## *Pennsalt Elects Beitzel*

—*Continued from page 7*

ated. Mr. Shanaman also is a vice-president of the parent firm.

Mr. Beitzel was associate with John T. Lewis & Bros. Company before joining Pennsalt in 1930 as sales manager. He was elected vice-president in charge of sales in 1942. Mr. Beale first became associated with the company in 1923 when he was elected to the board while vice-president of the Lewis firm. He became Pennsalt president in 1928.

Mr. Drake joined the company in 1934. In 1936 he became sales service manager and three years later was named manager of the Pennsalt cleaners division. He became manager of sales in 1943 and was named assistant vice-president for sales, in 1947.

Mr. Mitchell became a technical service engineer for Pennsalt in 1936. Later he was named assistant to the works manager at the company's Philadelphia office, and became plant superintendent at Wyandotte, Mich., in 1945. Three years later he was made assistant vice-president for manufacturing.

The retiring vice-president, Mr. Hardcastle, is the oldest Pennsalt officer in point of service. Beginning as a draftsman in the engineering department at Wyandotte in 1909, Mr. Hardcastle became supervisor of electrolytic operations there a year later, and in 1915 was made superintendent at Wyandotte. In 1928 he was elected vice-president, remaining in Wyandotte until 1932, when he moved to the executive offices. He became a director of the company in 1948.

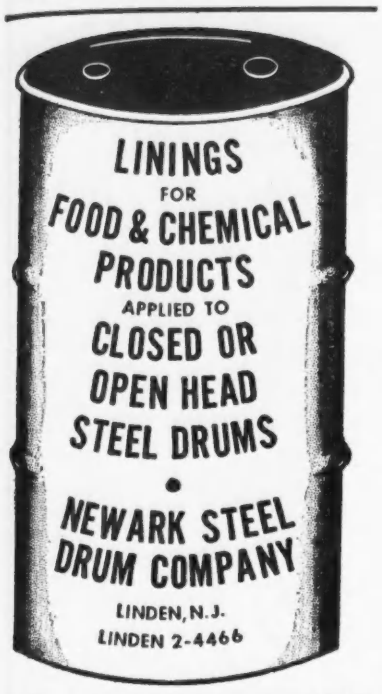
## *Ungerer Shifts Six*

—*Continued from page 7*

his father. He was made a director in 1901, president in 1930, and was assigned the additional title of treasurer in 1936. Mr. Voorhees joined the fifty-six year old firm in 1932, and was elected executive vice-president in 1933. He became a director in 1936 and was elected secretary six years later.

Mr. Budd has been in the essential oil field for over thirty-one years, and has been with Ungerer since 1935. He is director of sales for the company. Mr. Moore has been with the company for twenty-three years as a sales representative and comptroller.

Mr. Dunney, a perfume chemist for over thirty-two years, has been with Ungerer for the past fourteen. He was elected secretary for the company earlier this year. Mr. Bush, a veteran of thirty years in the industry, has been with Ungerer for eleven years.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# Botanical Drugs, Spices, Gums

Conditions changed little in the botanical market last week. Medicinal botanics were in slow demand, they held price positions fairly well, but seemed likely to be more sensitive to Summer developments than they were last year. Condimental items showed a numerous shifting of price positions but with the exception of peppers were not in specially active request. Medicinal and condimental items originating in China were stronger and higher in reflecting the isolation of the shipment ports from the interior by reason of the communist armies crossing the Yangtze river and flowing downward and outward toward the sea and the seaboard export points. The market index remained at 183.7 but a year ago it was 226.4 following a 1.7 point decline.

Further communications from the domestic primary market, where gathering was already underway, revealed that one important quarter expected somewhat larger collections. The basis for this view was the closing of factories and mills that had attracted former gatherers and diggers of drugs, or the laying off of some such workers.

Although the number of workers available for drug collection in the hills and mountains was believed likely to increase, production of botanical drugs may be hampered by dealers "not being inclined to stock heavily at the present rather high and uncertain prices." Doubt regarding probable demand existed but decrease in demand was generally acknowledged. The attitude of buyers was one of caution, a fact that kept demand light. It was also clear that correspondents writing last week were awake to the possible effect of newly discovered chemical drugs on botanical drug consumption, and also to the detrimental effect that the national compulsatory health program now before congress would have on the sale of botanical drugs if it became law.

## Balsams

**Peru**—The jobbing demand current for this article during the past several weeks continued undisturbed and the movement was said to be sufficient in size to contribute much to the stability that featured quotations on spot last week.

**Tolu**—Most sellers held stable views on prices but one supplier reported the market as being $2.40 per pound so far as he was concerned. The range, varying according to seller, reached to $2.75 per pound as its upper limit. Demand was moderate.

## Barks

**Cascara Sagrada**—The tendency of local prices was to seek slightly lower levels in keeping with some movements noted recently in the replacement point of view held at the Pacific northwest production area. Though the market was mainly quoted minimum at 32c. on spot, it was suggested that it might not be impossible to find a seller at 30c.

**White Pine**—None engaged in supplying this article expected anything but a good supply wherewith to meet the needs of manufacturing consumers. This view seemed based on the opinion that lumbering operations would continue at a high level throughout the collection season. Prices were also expected to remain favorable.

**Wild Cherry**—Thin material was lower at 15c. to 16c. per pound and rossed thin grain dropped to 17c. to 18c.

## Beans

**Vanilla**—Local opinion seemed to be that once consumers become convinced that prices in Madagascar are not apt to decline, a broad return of manufacturing consumers to the market with the intention of purchasing will be the general rule. At the moment, the market was quiet but not more so than it had been during a number of weeks past. Prices remained relatively low but they also lacked change and influences in the direction of further price concessions were rather difficult to find here.

## Berries

**Cubeb**—Connections with the replacement market were not the most satisfactory for the quick and easy completion of purchase but sufficient merchandise has been available to keep the local market supplies in excess of apparent requirements.

**Sloe** — Replacement was reported very low in price but those with such offerings in hand reported total lack of interest on the part of those normally stocking the item for domestic distribution. The fact seemed that some former suppliers have passed by all opportunities to restock the material.

## Flowers

**Chamomile**—Most factors point toward the probability of substantial quantities becoming available in European quarters where sale of this merchandise is featured. At the moment, spot needs were reported conservative in size and being supplied at full market prices. Stocks could cope with reasonable gain in demand.

**Saffron**—Reports from Italy supplied data concerning Italian production of this item in 1948. In that year, 190 hectares (2.47 acres) were planted and production totaled 2,000 kilos. This was a sharp drop from the 1947 cultivation of 250 hectares for a total putput of 3,500 kilos. The yield per acre was less than normal because of adverse climatic conditions. Italian flowers rarely reach this market which is normally supplied by Spain and the present price of such material was depressed.

## Gums

**Karaya**—The market was still relatively strong because of the absence of normal reserves of good quality gum. A further lot was detained by the Food and Drug Administration last week as being below its standards of quality. It amounted to 1,604 bags, bringing the total of detentions since January 1 to 7,004 bags. Recleaning this merchandise is an expensive job that adds about 2c. to 3c. per pound to costs of the importer.

**Myrrh**—Most primary market suppliers held firm price views and were not often apt to accept even moderate bids at levels but slightly shading the shippers' original proposals. Little demand existed on spot last week and the carryover into the dull season was said to be ample for all probable consuming needs during the immediate future.

## Herbs and Leaves

**Belladonna**—Domestic cultivators will soon be planting the belladonna for the 1949 crop and, based on the outlook for

### *Market Trends*

**Prices Advanced**

*Drugs*

Ipecac root, 15c. per lb.

*Other Articles*

Anise, Chinese star, ½c. per lb.
Cassia, China, Canton rolls, select, 1c. per lb.
broken, select, 1c. per lb.
Honan rolls, scraped, ½c. per lb.
unscraped, ½c. per lb.
broken, ½c. per lb.
Yunnan, rolls, scraped, ½c. per lb.
broken, ½c. per lb.
unscraped, ½c. per lb.
Fennel seed, Indian, ½c. per lb.
Pepper, white, 7c. per lb.
Poppyseed, Dutch, ½c. per lb.

**Prices Reduced**

*Drugs*

Ginger root, African, 1c. per lb.
Tolu balsam, 20c. per lb.
Turmeric root, Alleppey, 1c. per lb.
Wild cherry bark, thin, natural, 1c. per lb.
rossed thin green, 7c. per lb.

*Other Articles*

Anise, Syrian, ¼c. per lb.
Caraway seed, Danish, ¼c. per lb.
Cassia, Saigon, broken, 1c. per lb.
medium, ½c. per lb.
Fennel seed, French, ½c. per lb.
Nutmegs, East Indian, 2c. per lb.
West Indian, futures, 1c. per lb.
Oregano, Mexican, 2c. per lb.
Pepper, black, 1c. per lb.
Poppyseed, Polish, ½c. per lb.
Sage, Dalmatian, ½c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 183.7 | 183.7 | 184.4 | 226.4 |

(*For Current Prices see Page* 9)

### *Imports Detained by FDA*

**Week Ended April 22**

**New York**

Anise, star, 90 bales: filthy.
Cassia rolls, 400 bales: insect infested.
Chillies, 288 bags: live and dead insects.
Karaya, gum, 1,604 bags: filthy, excessive bark and foreign organic matter.
Laurel leaves, 29 bales: filthy.
Nutmegs, 431 bags: wormy and moldy.
Sesame seed, 4,334 bags: filthy.

*For Late Market Developments, See Page* 4


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foreign leaves reaching this country and the price thereof, it appeared likely that a substantial acreage will be grown this year. Those who cultivate have already begun negotiation of 1949 contracts and the high test of domestic production was expected to make selling easier than it was when war made growing here necessary and profitable.

**Digitalis**—This botanical was another item the 1949 crop of which will be planted in the weeks immediately ahead. Production last year ran to a high tonnage despite the rather steady arrivals of European merchandise throughout the year. The size of the acreage cultivated this year should be interesting.

**Lobelia**—Prices offered this early in the season did not appear likely to stimulate gatherers unduly. Yet most sellers reported a need for substantial collections because of the limited quantities carried over from the 1948 crop.

**Peppermint**—Just enough business to confirm spot quotations was done last week and the total was conservative in size by all accounts. Stocks were generally in firm hands and were not considered to be excessive, probable demand being considered.

**Sage**—The only change came in the price for Dalmation sage and that article at the end of last week was quoted on the lower basis of 22c. to 22½c. per pound. Only routine interest was reported.

**Thyme**—A temporary lull in the interest of large consumers of French material existed, despite which prices abroad did not decline further and on spot they also remained steady. Plentiful supplies of Spanish material were available but few wanted it.

## Miscellaneous

**Cantharides**—The market took on a firmer undertone because of the situation in China. The future of exports from that country has been rendered uncertain by the civil war that brought the communist armies close to Shanghai and virtually cut off all south China ports from the interior.

**Ergot**—The supply situation was still rather tight and not all regular suppliers were disposed to book business at this time. However, it was reported that actual manufacturing consumers could supply pressing needs out of spot stocks but those with supplies acted to conserve supplies.

**Papain**—Competition was keen and sellers were for the most part disposed to shade quotations when firm orders were in sight. In practically all respects it appeared to be a buyers' market.

## Roots

**Colombo**—Some lots are afloat to this market after a hiatus of substantial arrivals during which a fairly tight situation obtained in some directions. Prices last week ranged 18c. to 23c. per pound as to seller and quantity.

**Galangal**—How long it may be before more goods are available for shipment from Hong Kong was uncertain last week. The communist armies appeared certain to cut off the British island from the mainland and in some other articles exported from Hong Kong late cables were contingent on the safe arrivals from the interior.

**Ipecac**—Sellers reported sales at much higher levels and, also, noted a higher replacement cost on all materials offered. Whole root ranged $4.25 to $4.50 per pound and powder was $4.65 to $4.90 as to dealer, quality, and quantity required.

**Mandrake**—Most primary market operators were loath to quote a price on this article last week. Reluctance in that respect seem connected with the fact that for once the carryover from the previous year's crop was negligible this year. All holders were reserved and they were disposed to await buyers' bids.

**Rhubarb**—Regardless of demand or lack of it, holders of whatever quantities of this root on spot expanded their reserve in offerings in ratio with the approach of the communist armies to Shanghai, China, and the increasing certainty that connection of China ports with the hinterland would be cut off. Hong Kong is the main export point for rhubarb exports and, being an island, is almost sure to be isolated. Any goods offered would be subject to their safe arrival from the mainland.

**Turmeric** — Some new crop Alleppey root was offered spot once more and the price proposed by holders of moderate quantities was 29c. to 29½c. per pound. Other varities were unchanged.

**Valerian**—Some sellers of Belgian root took an easier view on the market and were disposed to meet any reasonable price view expressed by potential buyers. New crop at more favorable prices were said to be a reasonable expectation in European markets this year.

## Seeds

**Anise**—Spot prices on star anise at an advance to 12½c. to 13c. per pound may have been but the beginning of an upward movement started when it became virtually certain that the main shipment port of Hong Kong would be cut off from the Chinese mainland by the communist armies that last week were pinching off Shanghai and over-running the country behind ports from which exports of Chinese merchandise are made. Syrian seed sold lower at 15¾c. to 16¼c.

**Caraway**—Competition for orders involving Danish seed was more active and prices were down to the basis of 16¾c. to 17¼c. per pound by the end of the past week. Dutch seed lacked change but were none too steady.

**Fennel**—French seed sold a fraction lower at 12c. to 12½c. per pound and Indian seed, on the other hand, sold a fraction higher at 12½c. to 13c. The mixed trend was in some degree reflected in the conservative interest shown by most buyers.

## Spices

**Cassia**—Spice that was Chinese in origin strengthened last week because of the communist armies being across the Yangtze river and the gates of Shanghai and other Chinese export points. Hong Kong island off the China coast was seemingly cut off from the mainland and communications with interior points were subject to the dangers and delays of war. Cables last week stated that all offers were subject to the safe arrival of shipments at Hong Kong. Spot quotations were:—China select rolls, 10c. to 12c. per pound and tending higher; broken select rolls, 8½c. to 10c.; Honan rolls, scraped, 15½c. to 16c.; unscraped, 14½c. to 15c.; broken, 14½c. to 15c.; Yuman rolls, scraped 15½c. to 16c.; broken, 14½c. to 15c.

**Clove**—Still strong at all points and lacking any sign of an early change in that aspect of the market.

**Ginger**—African root was down to 26c. to 27c. per pound, mainly because demand dwindled. Rhattoon Jamaica root was priced at 31c. to 32c. and bought there at in a fairly substantial way.

**Nutmegs**—West Indian futures were lower at 33c. to 34c. per pound. East Indian goods on spot were shaded to 38c. to 39c.; futures, 37c. to 38c.

**Peppers**—Arrivals eased spot supply to some extent and prices for prompt deliveries were 87c. to 88c. per pound as compared with former sales as high as 89c. April arrivals were noted lower at 86c. to 87c. but May shipment was higher at 87c. to 88c. June-July was proposed at 86c. to 87c. White pepper when available fetched $1.25 to $1.27 per pound.

## Curare Patent Offered

In order to facilitate inclusion in the United States Pharmacopoeia of its process for the biological assay of curare, E. R. Squibb & Sons has made available to the public by formal dedication its patent covering that process. The patent, which was granted Feb. 8, 1949, was numbered 2,461,278. Squibb now markets a purified, standardized extract of curare under the trademark name "Intocostrin." It also makes available the active principle of curare, d-tubocurarine chloride, as a sterile isotonic aqueous solution and also as a sterile suspension in peanut oil and myricin.

## Saccharin Output Up in U.K.

The amount of saccharin of British manufacture passing through the hands of the Commissioner of Customs and Excise in the United Kingdom last year amounted to 13,140,000 ounces as compared to 9,650,000 ounces in 1947 and 1,850,000 ounces in 1938. The amount retained for use and consumption in the U.K. last year was 9,840,000 ounces and the amount exported or deposited in bonded warehouses for exportation was 3,300,000 ounces.

## Sharp & Dohme Awards Grants

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, has awarded two new research grants and has renewed two others. The new grants are to the University of Pennsylvania and the North Carolina Pharmaceutical Research Foundation, while renewals went to Columbia University and Massachusetts Institute of Technology.

## Standard Scientific Issues Catalog

The Standard Scientific Supply Corporation has published a new catalog listing chemicals and reagents for the latest procedures in all types of clinical and diagnostic tests. Copies may be obtained from the company at 34 West Fourth street, New York 12.

# Essential Oils, Other Aromatics

Rising spot and replacement cost on distilled lime; a potential strengthening of anise and cassia in all markets; and a broadening of demand for citrous oils—such were the main features last week in the market for essential oils. In aromatic chemicals, some dealers were disposed to shade quotations on benzyl formate and citral. A weakening of peppermint oil prices united with mace, nutmeg, ocotea cymbarum, petitgrain, and Haitian vetiver oils on the down side of price developments. The market index was lowered 0.3 point and in becoming 103.3 it contrasted with 131.9 prevailing a year ago when it dropped 3.9 points.

Concerning business generally, spot suppliers were almost a unit in reporting the lack of brisk demand, the presence of small volume orders, the fluctuating character of inquiries, and the absence of good moving merchandise in the activities of the week. Improvement in consumption of citrous oils was a contrasting fact and some found a slight improvement in the number of orders received from small makers of cosmetics. Soapers' requirements continued moderate in size and lacked signs of early improvement. Perfumers were said to hold substantial stocks of finished products, a fact that curtailed their need for substantial replacement quantities of raw material.

Behind the potentially stronger market on anise and cassia was the crossing of the Yangtze river and capture of Nanking, the former capital of the Nationalist government of China. The areas where anise and cassia oils are actually made appeared doomed to communist occupation at an early date. Another Chinese oil apt to be affected in some at present not entirely certain manner was ho oil. Furthermore, from the port of Hong Kong often comes shipments of a few aromatic chemicals and also of citronella oil, the latter being in all probability a transshipment of material originating at some other point in the Far East. These materials were influenced by the Chinese political struggle.

## Market Trends

**Prices Advanced**

Anise oil, Chinese, 5c. per lb.
Cardamom oil, $3 per lb.
Lime oil, distilled, Mexican, 25c. per lb.
West Indian, 25c. per lb.

**Prices Reduced**

Mace oil, 10c. per lb.
Nutmeg oil, 25c. per lb.
Ocotea cymbarum oil, 2c. per lb.
Peppermint oil, natural, 10c. per lb.
redistilled, 15c. per lb.
Petitgrain oil, 30c. per lb.
Vetiver oil, Haitian, 10c. per lb.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 103.0 | 103.3 | 103.4 | 131.9 |

(For Current Prices see Page 9)

## Essential Oils

**Abies Siberica**—Though the market continued to be competitive, it failed to undergo further decline so far as open quotations were concerned. However, sellers for the most part were disposed to meet reasonable price views as expressed by buyers.

**Angelica**—Inquiry for small lots possible was improved slightly over that in recent periods but most sellers expressed doubt regarding any actual gain in sales. Quotations remained exceptionally steady and covered the usual wide range.

**Anise**—The approach of communist armies to the Chinese city of Shanghai raised the question "What of Hong Kong." The British Crown Colony from whence is shipped anise oil obtained from the interior seemed likely to be defended by the British but no one knows for certain. However, the British do not usually abandon a possession in the face of force. But there remains the question of getting oil to that port and the communist army successes may cut such deliveries substantially unless it is financially to communist advantage to let the goods pass to the British colony. Such were the cogitations of some spot dealers as prices were advanced to 80c. to $1.05 per pound to prevail thereat according to dealer.

**Apricot Kernel** — The firmness of raw material prices counted much in the maintainence of this article at steady prices regardless of the rather fluctuating character of request that was solely jobbing in character throughout the past week.

**Bergamot**—Though lacking in further change openly made on the spot, this article was admitted to be unsettled and the object of considerable competition between suppliers. Sales to major consumers were said to be few and far between; such buyers appeared to hold sufficient reserve stocks to meet needs. The competition seemed to stem from some change in replacements.

**Birchtar**—The actual holders of this article were so few in number that any quotations obtained took on a nominal character in the absence of that competition by which alone can a clearly defined market position be established.

**Caraway** — Stability in replacement prices was the main influence on the maintenance of a steady spot quotation on this article and all dealers reported that situation. Also, demand was strictly for jobbing quantities and was steady, too.

**Cardamom**—The price of raw materials has stopped advancing but not so with oil. Quotations on the derived product continued to advance and late in the period were $45 to $50 per pound with several dealers mentioning the higher figure as minimum.

**Cassia**—The future of this article seemed to be highly uncertain and clouded by the successes of the communist armies in China following their crossing of the Yangtze river and the taking of Nanking, the Nationalists former capital. The port of export for this oil is usually Hong Kong, the British Crown Colony and an island off the coast of China. The oil is brought down to that port from the interior and the present uncertainty concerning the future of this article stemmed from the fact that the Chinese hinterland seemed doomed to fall to the communists armies that even last week were drawing around Shanghai.

Local dealers were disposed to go a bit slow in disposing of current supplies at prices which have been declared for some time to have been too low. The range was $1.80 to $2.40 per pound and both ends of the range were firm.

**Cedarleaf**—Jobbing business made the bulk of local transactions last week and the whole business done was not very substantial in size. However, prices failed to develop actual or potential weakness.

**Celery**—The raw material in France and India was reported to be developing a stronger position, sufficiently so that price advances were well supported at those origins and on spot. Oil was firmer but light demand appeared to prevent any rise in prices.

**Clove**—Basically, the market was exceptionally strong, potentially, and only slightly less so actually. Everything hinged on the raw material situation and, during the past week, the replacement markets were higher than spice could be bought at on the spot. Distillers believe that an end will come to spot stocks at less than replacement cost and when that comes quotations on oils should be considerably higher, it was said.

**Dillweed**—Minimum price views started at $7.35 per pound, a quotation obtainable in one quarter only despite the fact that dillweed oil seemed to be subject to a generally easing tendency. The range was to $8.25 but no sales were reported thereat. Most local dealers reported only small spot stocks. Few have learned much concretely regarding oil made in Texas.

**Erigeron**—The carryover will be about normal and more than sufficient to cover the demand that seemed certain to be small during the months between now and when new crop—if any—may be made.

**Eucalyptus** — Prices were at least reported to be steadier and open quotations were at least no lower than they had been. Demand was not improved over the reduced volume commonly experienced for some time past by the main suppliers of the item. Australia was still reported showing a strengthened position.

**Fennel**—Recent reports concerning the position of raw material in foreign parts stressed a strengthened position as having developed slightly higher prices. Oil remained steady so far as spot prices were concerned and demand was light.

**Geranium**—This article in all its varieties and at all points of sale was reported in strong position with prices tending upward most of the time. The situation in Bourbon oil was especially mentioned for strength at the origin and spot was a full reflection of the situation at the source. Higher spot quotations should come once all stocks bought on a lower primary market have been moved and when further business has become dependent on new importations which may be obtained only at sharp advances. Production in the

For Late Market Developments, See Page 4

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French islands was said to be down and not likely to be returned soon to its normal level.

**Ginger** — Advances in raw material prices seem to have ceased but no weakening seemed to be in prospect at the origins and, hence, the position of distilled oil continued to be one of substantial strength regardless of the not expansive demand.

**Juniper**—Plentiful supplies of cheap raw material existed in primary markets and the general position of oil was said to be strictly favorable for buyers with firm orders in nand. Not many called for prompt deliveries last week from the plentiful stocks available.

**Lavender** — Stocks of excellent quality oil were substantial in size and demand for immediate deliveries was none too active during the past week. The cabined, cribbed and confined activities in the cosmetic, perfume, and soap industries make for a most limited consumption of lavender of whatever quality. And the highest test oil is so cheap today, according to dealers, that it is not easy to sell oils of lower quality.

**Lemon** — Demand for this article was larger, according to dealers reporting on the item during the past week. Although the total sales varied each day—and almost in ratio to the weather and temperature—the movement has improved considerably without entailing any improvement in prices by reason thereof. And most dealers felt that the arrival of warmer, more stable days would continue to expand the need to buy this oil.

**Lime**—The market has worked higher, being a reversal of a fairly long continued downward movement of prices. Mexican distilled oil was raised to $4.50 to $5.25 per pound and the West Indian article went up to $4.75 to $5.50. The higher spot market reflected a similar situation developed at the origin and it came about on spot also by some improvement in consuming request.

**Nutmeg**—Local distillers and sellers of West Indian imported oil eased prices slightly downward during the past week and at the close of the period oil from East Indian nutmegs was quoted $3.95 to $5.35 per pound and from West Indian nutmegs, oil was priced at $3.75 to $4.65. This movement in West Indian oil reflected the recent declines in raw material costs. However, declines have stopped, for the time being at least, and a steadier spot market on oil was expected to prevail for the immediate future.

**Ocotea Cymbarum**—One dealer named the sharply lower price of 46c. per pound but according to seller the range was to 60c. and several dealers named around 50c. for this slow moving item.

**Orange**—A seasonal requirement contributed to the development of a more active spot market without contributing sufficient strength to bring about any improvement in prices obtainable by suppliers. Quotations were firmer, however, and less subject to even occasional bending in favor of buyers with firm orders in hand. Stocks were ample—and that applied to all varieties of oil from whatever origin save the West Indies.

**Peppermint**—Quotations were reduced slightly on natural oil and rather substantially on redistilled material last week. The movements seemed mainly to following developments in producers' views concerning new crop values on this merchandise. Natural oil was down to $5.90 to $6.35 per pound, according to dealer, and to $6.25 to $6.75 for the redistilled item. Demand for prompt delivery material out of stocks remaining from 1948 production was light and usually irregular from day to day.

**Petitgrain**—One dealer had price views as low as $2.45 per pound. Others quoted the article at higher levels and the top of the range was $2.70. No supplier reported much interest last week.

**Sassafras**—Basic raw material for the production of artificial oil was easy. Even the Brazilian oil was lower in price although camphor oil, the competiting item, was easy but unchanged.

**Spearmint**—Most dealers named unchanged prices but all seemed disposed to accept reasonable bids from buyers. Prompt demand was poor and usually for small lots in small packages. Major interest will develop later on when the chewing gum manufacturers contract for new crop oil—and some such contracting was said to have been done already, which was said to in part account for the recent weakness in local dealers' quotations.

**Vetiver**—Haitian oil was up slightly and the market at the end of last week


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## *Heads Givaudan Subsidiary*

Paul Adams has been named manager of Givaudan Flavors, Inc., which has been organized by Givaudan-Delawanna, Inc., manufacturer of aromatic materials, New York, to take over the activities of the flavor division of the parent firm. According to Mr. Adams, who has been active in the flavor industry in America and Switzerland for eighteen years, the new company will produce both true fruit and imitation flavors, as well as combinations of both.

was $11 to $13.50 according to seller. The range on Java oil widened, the minimum quotation remaining at $11.40 when a dealer wanting $15 was discovered on spot.

## Aromatic Chemicals

**Anethol**—The primary market for raw material held many elements of strength that were expected eventually to bring an advance in replacement costs. A firmer undertone governed anethol, there being not the least tendency toward price shading during the past week.

**Anisic Aldehyde**—Some felt that the cost to produce this article might undergo an advance and those holding that view were disposed to show considerable reserve in making offers and accepting business during the past week.

**Benzyl Formate**—One dealer offered the item as low as $1.84 per pound last week while others priced the item $1.95 to $3.50 per pound and declared a steady market thereat.

**Citral**—The spot seemed to have become more competitive and quick deliveries from one dealer were obtainable at $3.60 per pound. Others called the quiet market $3.75 to $5.

**Eucalyptol**—Conditions favored buyers with firm orders in hand but consumption was said to have decreased during the past several months, bringing some unsettlement to a market previously reflecting a firm situation as related to raw material.

**Eugenol**—Basic production costs seemed inevitable due to rise, and once spot stocks of cheap material have been moved into consumption, replacement costs now prevailing at the origins appeared definitely apt to force a rise on all derived products.

## Chemical Output Workers Reported Lower in February

Estimated number of production workers in the chemicals and related products industries in February, 1949, as compared with the number in January, and with those in February, 1948, was reported last week by bureau of labor statistics of the Department of Labor as follows:—

| | 1949 Feb. | 1949 Jan. | 1948 Feb. |
|---|---|---|---|
| Ammunition, small arms | 7.000 | 7.100 | 7.800 |
| Chemicals, not elsewhere classified | 204.700 | 209.400 | 205.500 |
| Compressed and liquefied gases | 9.100 | 9.300 | 9.800 |
| Cottonseed oil | 21.600 | 24.000 | 19.500 |
| Drugs, medicines and insecticides | 65.700 | 65.600 | 65.600 |
| Explosives and safety fuses | 26.700 | 27.100 | 25.500 |
| Fertilizers | 33.900 | 30.400 | 35.400 |
| Fireworks | 2.600 | 2.600 | 2.600 |
| Paints, varnishes and colors | 46.000 | 47.100 | 49.300 |
| Perfumes, cosmetics | 11.000 | 11.200 | 12.100 |
| Rayon, allied products | 65.200 | 65.100 | 63.700 |
| Soap | 26.300 | 26.400 | 25.400 |
| Total | 588.000 | 594.000 | 588.000 |

Department of Labor indexes for production-worker payrolls for chemicals and related products industries during the same periods (1939 average=100) follow:—

| | 1949 Feb. | 1949 Jan. | 1948 Feb. |
|---|---|---|---|
| Ammunition, small arms | 385.3 | 380.6 | 388.7 |
| Chemicals, not elsewhere classified | 621.6 | 639.3 | 584.8 |
| Compressed and liquefied gases | 493.1 | 487.7 | 475.5 |
| Cottonseed oil | 414.6 | 475.6 | 338.0 |
| Drugs, medicines and insecticides | 535.8 | 534.6 | 489.2 |
| Explosives and safety fuses | 729.7 | 707.6 | 678.2 |
| Fertilizers | 503.0 | 449.8 | 482.2 |
| Fireworks | 559.9 | 587.4 | 610.2 |
| Paints, varnishes and colors | 315.5 | 317.2 | 324.4 |
| Perfumes, cosmetics | 223.2 | 230.3 | 231.2 |
| Rayon, allied products | 304.0 | 304.5 | 270.2 |
| Soap | 385.5 | 385.0 | 376.4 |

## Leuchs Celebrates Fifty Years with George Lueders

Adolph Leuchs, of George Lueders & Co., essential oils and perfume materials, New York, was honored at a luncheon on April 27 on the occasion of his fiftieth anniversary with the company.

The luncheon was held at the Ridgewood Country Club and among those present were F. J. Lueders, president, who presented Mr. Leuchs with the fifty-year service pin; F. Weber, vice-president, with the company fifty-six years; Harry W. Heister, who will celebrate his half century work in October, and Gustav Miller, who will be with the firm fifty years in January, 1950.

While the luncheon was in progress, a television set, gift of the officers and employees, was being installed in the Leuchs home.

## Polak & Schwarz Chicago Offices in New Quarters

Polak & Schwarz, Inc., flavoring extract, essential oil, and perfume compound house, New York, has moved its Chicago offices from 400 West Madison street to 173 West Madison street. This new location affords the company larger office quarters.

## *Trade Briefs*

**George Burney & Co.** is the new name of Gra-Bar Industries, Inc., New York.

**Miriam G. French** has been appointed public relations consultant to the Committee on the Use and Marketing of Perfume Products.

**George E. Hamilton** has been named assistant sales manager of Parfums Evyan Company and Parfums Estall Company. He was formerly associated with Elizabeth Arden.


Perfume

INDIVIDUALIZED COMPOSITIONS

The success and lasting appeal of a fragrance depend upon an ideal combination of inspired artistry—scientific know-how—and an intimate knowledge of consumer markets.

Our staff of skilled perfume chemists can achieve individualized perfection for you.

Your ideal can be achieved **ask vA-H**

*Manufacturers of basic perfume materials*

*van Ameringen-Haebler, Inc.*
*315 Fourth Avenue, N. Y. 10*

**Concentrated and Terpeneless Oils**
**Natural and Artificial Fruit Flavors**
**Perfume Bases and Compounds**

•

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POLAK'S FRUTAL WORKS, INC.
36-14 35th Street Long Island City 1, New York

*for*
**perfume raw materials, aromatic chemicals, specialties and compositions**

*of high purity, odor perfection and consistent standards . . .*

GIVAUDAN-DELAWANNA, INC.
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ALLIED Experience

ALLIED Facilities

ALLIED Knowledge

All add up to UNIFORM COMPOUNDS

ALLIED ASPHALT & MINERAL CORP., pioneer in compounding pitches, asphalt, waxes and gilsonite over 20 years ago, maintains the largest and most complete production facilities in these fields. ALLIED also maintains a highly trained staff of chemists, laboratory workers and research technicians which assures a remarkably high degree of uniformity.

**Allied Asphalt & Mineral Corp.**

Established 1925

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AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

| | | | |
|---|---|---|---|
| BALTIMORE<br>Warner-Graham Co. | CLEVELAND<br>S. S. Skelton | LOUISVILLE<br>Deeks & Sprinkel Co. | PORTLAND, ORE.<br>Miller & Zeitrung Chemical Co. |
| BOSTON<br>Mulcahy & Griffin | DETROIT<br>C. W. Hess Co. | MONTREAL, CAN.<br>Wm. J. Michaud Co., Ltd. | ST. LOUIS<br>Harry G. Knapp |
| BUFFALO<br>Wetherbee Chemical Co. | HOUSTON<br>Joe Coulson Co. | NEW ORLEANS<br>C. N. Sutton | SAN FRANCISCO<br>E. M. Wallis |
| CHICAGO<br>Philip E. Cole Co. | KANSAS CITY<br>John T. Kennedy Sales Co. | PHILADELPHIA<br>Loos & Dilworth, Inc. | SEATTLE<br>Carl F. Miller & Co. |
| CINCINNATI<br>Deeks & Sprinkel | LOS ANGELES<br>E. B. Taylor Co. | PITTSBURGH<br>Jos. A Burns | TORONTO, CAN.<br>A. S. Paterson |



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THE MARK OF QUALITY

**BEREZ**

THE VERSATILE RESIN

ABUNDANT QUANTITIES ATTRACTIVE PRICE

SUGGESTED USES

Synthetic Resins — Ester Gums — Modified Phenolics — Pitch-Plastics — Insulating Boards — Asphalt Emulsions — Binder-Recording Records — Paper Size — Sealing Compounds — Gypsum Board — Depilatory — Rock Wool — Portland Cement Printing Inks — Electrical Insulations — Leather

TYPICAL ANALYSIS

| | |
|---|---|
| Color | Dark |
| Melting Point (R & B) | 80 C |
| Acid Number | 100 |
| Toluene Insoluble | 1.0% |
| Naphtha Insoluble | 70% |
| Saponification Number | 140 |
| Unsaponifiable Matter | 20% |
| Ash | 0.1% |

Berez is shipped in 8000 gallon insulated tank cars and 550 pound drums, also available in solution and saponified form, shipped in tank cars and 55 gallon drums.

REPRESENTATIVES IN ALL PRINCIPAL CITIES

**CROSBY CHEMICALS, INC.**

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Plants: Picayune, Miss., and De Ridder, La.

IMPERIAL ZINC YELLOW WAS PROVED EFFECTIVE ON WAR EQUIPMENT

IMPERIAL ZINC YELLOW IS NOW AVAILABLE TO PROTECT METAL STRUCTURES

ADVANTAGES OF PRIMERS MADE WITH IMPERIAL ZINC YELLOW

Uniformity, better protection against corrosion, low cost, wide range of vehicle compatibility, good package stability, shorter drying schedules, dead weight minimized, reduced hazard in welding, effective inhibition at film imperfections.

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**DUREZ RESIN NEWS**

For Superior Viscosity in Solvents and Oils

**DUREZ 220V RESIN**

Having outstanding viscosity, this pale, high-melting modified phenolic resin is best suited for use in all general type varnishes and enamel liquid formulations based on slow-bodying and soft oils. Produces excellent bodying, color, dry, and flexibility in all types of oleoresinous coatings as well as architectural and marine finishes.

| | |
|---|---|
| Melting Point (Capillary Method) 288° ± 5° F. | Color M to I |
| Refractive Index 1.553 | Specific Gravity 1.09 |
| Acid Number 9 ± 4 | Weight per gal. 9.1 lb. |

OTHER LEADING COATING RESINS

**DUREZ 209** — TERPENE PHENOLIC. Excellent color... good hardness, and water resistance... compatible with wide range of materials.

**DUREZ 219** — TERPENE PHENOLIC. Promotes hardness and fast dry. Has excellent solubility properties.

**DUREZ 220** — TERPENE PHENOLIC. For fast-drying, durable, abrasion-resistant architectural finishes.

**DUREZ 240** — TERPENE PHENOLIC. A very high-melting resin. Gives unsurpassed speed of dry and hardness to all types of oleoresinous clear and pigmented finishes.

SAMPLES AND DATA SHEETS showing physical properties and details of performance of these resins gladly sent on request.
Durez Plastics & Chemicals, Inc., 35 Walck Road, N. Tonawanda, N. Y.

**DUREZ**

RESINS THAT FIT THE JOB

# Protective Coatings Materials

Copper oxide, dioctyl phthalate, metallic lead paste and imported casein were lower in last week's market. Shellac moved in both directions. The coatings index was unchanged, however, holding at 215.0, marking the first halt to the downward trend in eight weeks.

In line with recent weakening in the metal, copper oxide was reduced 2 cents per pound. Metallic lead paste, at the same time, also went along with recent sweeping declines in that metal, falling 5 cents to 6 cents per pound.

On Thursday, zinc metal went down another one-half cent. Derived pigments, however, were steady at press time. Sellers intimated that they would consider the entire market situation early this week, but there was no indication as to what course of action they would follow.

Earth colors were firm. Buying was at a low ebb, as consumers continued to work off inventories. Supplies were uniformly ample. Stocks of titanium dioxide were similarly excellent. Call for this pigment material was a little improved during the week, but overall demand was said to be considerably under normal levels.

One producer announced the commercial introduction of barium-potassium chromate, a new pigment with exceptional corrosion-inhibitive qualities. Meanwhile, another new pigment, stainless steel flake and paste, also a corrosion inhibitor, was said to be gaining considerable following.

A variety of synthetic resins lowerings was announced in one quarter. Alkyds were down one-half cent to 3 cents. Ester gums were dropped one cent across the board. Maleics were reduced three-quarter cent to one cent, while urea-formaldehydes and melamines were decreased 1½ cents. Modified phenolics received a cut of one cent to 2½ cents per pound.

Lemon No. 1 shellac was up one cent, as trading both in Calcutta and New York continued quiet. At the same time, reductions of one cent were noted for lemon No. 2 and superfine lacs. Dioctyl phathalate was decreased 1½ cents to 2 cents per pound throughout the trade. Quotations on di-isooctyl phthalate held firm.

Imported casein slipped another three-quarter cent. Domestic remained stable. However, in view of the current lack of buying, prices on both materials were largely nominal.

## *Market Trends*

**Prices Advanced**

Rosin, gum, New York, WG, 10c. per 100 lbs.
Shellac, lemon, No. 1, 1c. per lb.

**Prices Reduced**

Casein, imp., acid-precip., ¾c. per lb.
Copper oxide, 2c. per lb.
Dioctyl phthalate, 1½c. to 2c. per lb.
Lead, metallic paste, 5c. to 6c. per lb.
Shellac, lemon, No. 2, 1c. per lb.
Superfine, 1c. per lb.
Turpentine, gum, Savannah, ½c. per gal.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 215.0 | 215.0 | 223.7 | 190.7 |

(*For Current Prices see Page 9*)

## Prime Pigments

**Barium-Potassium Chromate**—One producer, already a factor in white leads and lead oxides, has announced the commercial introduction of this corrosion-inhibitive pigment. It is quoted at 20c., carload, freight allowed, and at 21c. per pound, l.c.l., works.

**Black, Synthetic Iron Oxide**—Buyers were largely inactive in last week's market. Material was readily available for immediate shipment. Prices held at 10¾c. to 11c. per pound.

**Brown, Metallic**—Demand continued considerably under par during the week. Stocks were good. Quotations were maintained.

**Brown, Sap Crystals**—The supply position continued excellent, as buying remained slow and prices held firm.

**Brown, Sienna**—Listings were stable throughout the market last week. Consuming inquiry, meanwhile, was very sluggish, with paint formulators continuing to work off current inventories. Stocks of both burnt and raw grades were freely available.

**Brown, Synthetic Iron Oxide**—Demand continued on the quiet side during the week. Supplies were excellent. Prices held at 12½c. per pound, less carload.

**Brown, Umber**—Availability of both burnt and raw umbers continued good. Material moved slowly, however, as sales remained on a hand-to-mouth basis. Buyers apparently were intent on working off current inventories before committing themselves to further orders. Prices everywhere were firm.

**Brown, Vandyke**—There was no noticeable improvement in demand last week, calls continuing slight. Prices were maintained. Stocks were good.

**Copper Oxide**—In line with the recent weakening in the metal, reductions of 2c. per pound were applied to this pigment last week. The black is quoted at 28c. to 28¾c., while the red ranges from 30c. to 32¼c. per pound.

**Lead, Metallic Paste**—Prices were reduced 5c. to 6c. per pound last week in line with sweeping declines in the pig lead market. New schedules call for 29c. for 40,000 pounds, 29½c. for 10,000 to 40,000 pounds, 30c. for 2,000 to 10,000 pounds and 30½c. for 100 to 2,000 pounds.

**Lithopone**—A slightly better tone was reported in this section during the past week. Buying, though still at sub-normal levels, was said to be a shade more active. Stocks continued excellent. Prices held steady in the face of another ½c. decline in metallic zinc.

**Mercuric Oxides**—Business in quicksilver continued at a virtual standstill, and prices held firm at $83 to $86 per flask. Demand for red and yellow mercuric oxides, meanwhile, was similarly sluggish. Prices held steady.

**Red Indian**—The market was quiet last week, as buyers continued to work out current inventories. Movement of material, therefore, was very slow. Stocks were readily available for immediate shipment. Quotations were unchanged at 11½c. to 11¾c. per pound.

**Red, Persian Gulf Oxide**—Demand was still slow during the past week. Prices, which ranged from 6¾c. to 7c. per pound, were regarded as firm. Supplies were reported to be more than ample, particularly in view of the currently inactive state of demand.

**Red, Spanish Oxide**—There was plenty of material to go around last week. Most suppliers were ready to supply large-volume orders for immediate delivery. Consuming interest, however, continued at a low ebb, with the majority of users contenting themselves with current inventories. Prices were maintained in all quarters. No. 1 was quoted at 5½c. to 6½c., while grade 2 brought 5¼c. to 6¼c. per pound.

**Red, Synthetic Iron Oxide**—Calls for this pigment material continued few and far between, with consumers working out of current stocks. Availability, however, was reported excellent. There were no price changes, nor were any anticipated within the immediate future. Pure red brought 11½c. to 11¾c. per pound.

**Stainless Steel Flake, Paste**—This newly-introduced corrosion-inhibitive pigment last week was reported to be coming into ever-increasing use. Dry flake is quoted at $1.50 per pound, drums, works, while the paste commands $1.25, same basis.

**Titanium Dioxide**—The supply position was reported ample during the week, as the tone continued quiet in the main. Some slight upsurge in demand was noted, but overall buying interest was said to be considerably under normal levels for this time of year. There were no price changes, nor were any anticipated within the immediate future.

**Yellow, Iron Oxide**—Prices on both synthetic and natural grades were maintained during the past week. Buying was sluggish, as consumers continued reluctant to take on any large-volume commitments. The supply position was reported excellent.

**Zinc Pigments**—Despite Thursday's additional ½c. decline in metallic zinc, prices of all derived pigments remained unchanged at press time. It was expected that producers would review the entire situation early this week, but there was no certainty as to what course they would take.

## Fillers and Extenders

**Calcium Carbonte**—Arrivals during the period under review totaled 5,270 bags of whiting from Antwerp, London and Liverpool. The market itself was quiet. Buying was sluggish. Stocks were ample. Prices were stable.

**Kyanite**—Importations last week totaled 265 tons of kyanite ore from Mombasa.

**Mica**—Supplies were reported good. Demand was spotty. Calls from the paint

*For Late Market Developments, See Page 4*


PURE
CHROMIUM OXIDE
GREEN

*Immediate Delivery*

This color of outstanding endurance is of high tinctorial strength and is finding ready acceptance.

*Meets Federal Specifications*
*TT-C-306*

*Immediate shipment from New York, Philadelphia, Baltimore, Los Angeles, or Muirkirk, Md.*

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Mineral Pigments

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We are in position to assure reasonably fast deliveries on this superior hi-flash solvent. Its many advantages make it far superior to average solvents of its kind. We will be glad to send samples and further information.

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Chemicals for the Nation's Vital Industries

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4-22

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PANAREZ
6-210
A New OXIDIZING HYDROCARBON RESIN
Available Now in COMMERCIAL QUANTITIES
PANAREZ 6-210—a new oxidizing resin of petroleum origin—is light in color—uniform—dependable—economical. It is soluble in hydrocarbons and other common solvents, and compatible with many natural and synthetic drying oils, resins and rubbers.
A pure hydrocarbon resin—PANAREZ 6-210 imparts high gloss—hardness—alkali resistance—to air-drying and baking finishes. It finds particular application in the formulation of special purpose protective coatings.
Investigate this versatile resin—today.
COLOR, Cumar.....3
IODINE NUMBER, Wijs.....175 Min.
SOFTENING POINT, Ring & Ball, °F...200-220
ACID NUMBER.....0
SAPONIFICATION NUMBER.....2 Max.
ASH.....Trace
Samples on Request
PAN AMERICAN Chemicals
DIVISION
Pan American Refining Corp.
122 EAST 42nd STREET NEW YORK 17, N. Y.
Plant
Texas City, Texas

trade were infrequent. However, interest from the electrical industry remained good. Prices were maintained. Imported were 684 cases of mica from London, Rio de Janeiro and Calcutta.

## Synthetic Resins

**Alkyd Resins**—One producer last week reduced oil-modified alkyds ½c. to 3c. and lowered oil-resin-modified grades a similar amount. Consuming inquiry, meanwhile, remained slow. Supplies were more than ample.

Earlier in the month, seven other lines of alkyd resins were lowered in amounts ranging from ¼c. to 5c. per pound.

**Ester Gums**—One line was reduced 1c. per pound across the board during the past week. Other producers held firm. Supplywise, the situation was good. Demand was slow.

**Maleic Resins**—Reductions of ¾c. to 1c. per pound were applied by one maker last week. Earlier in the month, decreases of ½c. to 1½c. were announced by another seller.

**Melamine Resins**—A manufacturer of urea-formaldehydes and melamines lowered these materials 1½c. down the line last week. Earlier in the month, two other lines of melamines were cut in amounts ranging from ½c. to 3c. per pound.

**Phenolic Resins**—One brand of modified phenolics were down 1c. to 2½c. per pound last week. Earlier in the month, a line of pure phenolics was down 2¼c. to 3c. Supplies were described as good for most grades.

## Natural Resins

Trading was at a virtual standstill last week, as the market continued entirely without feature. Some grades, like No. 1 dammar, were in short supply, but in main availability was good. Prices were maintained. Importations aggregated 470 bags of copal gum from Manila, 298 bags of dammar from Singapore and 10 cases of mastic from Piraeus.

**Shellac**—Although trading both here and in Calcutta was at a minimum, New York prices moved in both directions last week. Lemon No. 1 moved up 1c. per pound to a new quotation of 70c. to 71c. Lemon No. 2 and superfine grades were lower by 1c., falling to ranges of 67c. to 68c. and 64c. to 65c. per pound, respectively. Both bleached grades and TN lac held firm. Purchases in this country were said to be on a hand-to-mouth basis. Stocks here, particularly on the better oranges, were low. Arrivals during the past week totaled 90 bags and 50 cases of shellac from Rotterdam and 2,192 bags of seedlac from Calcutta and Kohsichang.

## Lacquer Materials

**Di-isooctyl Phthalate**—Although declines were noted for dioctyl phthalate during the week, this plasticizer held firm. Carloads were listed at 43c.; less-carload quantities brought 43½c., and tankcars were quoted at 41½c. per pound.

**Dioctyl Phthalate**—Reductions of 1½c. to 2c. per pound were effected throughout the trade last week. Business continued on the sluggish side. Stocks were good. Following are current market prices:—Carload, 42½c.; less carload, 43½c., and tanks, 41½c. per pound.

**Vinyl Stabilizers**—One producer, already a factor in lead pigments, announced the commercial availability of a variety of lead stabilizers for vinyl resins. Following are current market quotations:—Dibasic lead phthalate, 38¼c.; dibasic lead stearate, 51¾c.; normal lead salicylate, 41¾c., and tribasic lead sulphate, 25¼c. per pound. All the materials named are sold in drums, f.o.b. works. Normal lead salicylate is also being marketed as a retarder in rubber vulcanization.

## Miscellaneous Materials

**Asbestos**—Producers here were still desperately short of material, as the Canadian walkout dragged on. Arrivals during the week totaled 10,946 bags of asbestos fiber from Capetown and Lourenco Marques.

**Casein**—Imported slipped another ¾c. per pound in New York, as buying remained at a virtual standstill. There was no change in the price of domestic, but in view of the current lack of interest, quotations were regarded as nominal. American casein was listed at 20½c., while Argentine commanded 19¼c. Arrivals during the week totaled 1,500 bags of casein from Buenos Aires.

Meanwhile, the big question facing dealers was not one of prices, but of demand. At least one seller viewed the situation as extremely bleak. It was his belief that consumers, particularly paper coaters, had found superior raw materials in synthetic substitutes and that it was unlikely that they would ever again employ casein as widely as they did in the past. Other sellers were more hopeful, arguing that the current lull was largely a price matter and that buyers would come back once quotations backed down into line with competitive products.

Commodity Credit Corporation for the week ended April 22 purchased 12,564,650 pounds of spray process skimmed milk powder and 6,751,025 pounds of roller process. Since February 25, when the milk solids buying program was resumed, CCC has bought more than 116,000,000 pounds of skimmed milk powder.

## Naval Stores

The record of the gum naval stores markets over the week ended April 29 were as follows:—

**Gum Rosin**

Price per 100 lbs.

| | Savannah Exchange (Low of range) | | | | | New York c.l., l.c.l., f.o.b. ex N. Y. whse. | |
|---|---|---|---|---|---|---|---|
| | Mon. | Tues. | *Wed. | Thurs. | Fri. | | Friday |
| B | $5.60 | ... | $5.60 | $5.60 | $5.60 | $6.85 | $7.60 |
| D | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| E | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| F | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| G | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| H | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| I | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| K | 5.60 | ... | 5.60 | 5.60 | 5.60 | 6.85 | 7.60 |
| M | 5.61 | ... | 5.61 | 5.61 | 5.61 | 6.85 | 7.60 |
| N | 5.65 | ... | 5.65 | 5.65 | 5.65 | 6.85 | 7.60 |
| WG | 5.66 | ... | 5.66 | 5.66 | 5.66 | 6.95 | 7.70 |
| WW | 5.84 | ... | 5.84 | 5.84 | 5.84 | 7.10 | 7.85 |
| X | 5.84 | ... | 5.84 | 5.84 | 5.84 | 7.10 | 7.85 |

Drums

| | | | | | |
|---|---|---|---|---|---|
| Sales | ... | ... | ... | ... | ... |
| Receipts | 171 | ... | 838 | 268 | 358 |
| Shipments | ... | ... | ... | ... | 1 |
| Stocks | 22,618 | ... | 23,456 | 23,724 | 24,081 |

**Gum Turpentine**

| | Savannah Exchange Bulk | | | | | New York (ret. drms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) | |
|---|---|---|---|---|---|---|---|
| | Mon. | Tues. | *Wed. | Thurs. | Fri. | | Friday |
| Per gal. | .40½ | ... | .40 | .40 | .40 | .48 | .57 |
| Sales, bbls. | ... | ... | 160 | ... | ... | | |
| Receipts, bbls. | 46 | ... | 326 | 113 | 101 | | |
| Shipments, bbls. | 249 | ... | 69 | 159 | 173 | | |
| Stocks, bbls. | 13,414 | ... | 13,671 | 13,625 | 13,553 | | |

* No market.

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MOLDING COMPOUNDS
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DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Zinc Chromate
Strontium Chromate
Toluidine Reds
Para Reds, Iron Blues
Cadmium Colors
Maroons
Lake Colors
Zinc and Aluminum Stearate
"Kentucky Color" also distills:
No. 2-D Shingle Stain Oil
Dirty Solvent Recovered
KENTUCKY COLOR & CHEMICAL CO., INC.
General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities

## Pitts. Glass Introduces Alkali Resistant Paints

Alkali resistant floor enamels have been added to the standard Pittsburgh Plate Glass Company line of paints, it was announced recently. The new products are being marketed under the Pittsburgh finishing material label and are available in two colors, pewter gray and tile red. A companion product, a solvent reducer, is also being introduced for removing wax and grease from areas prior to painting with the enamel. It may be used as a thinner for rubber base enamels and for cleaning brushes or spray equipment used in their application.

## N.Y. Paint Technicians Plan Meeting on Thursday

Anthony Skett, technical director of the M. J. Merkin Paint Company, will present a paper entitled "Paint Industries, Life and Customs of South America" at the meeting of the New York Paint and Varnish Production Club at the Building Trades Employers Association, 2 Park avenue, on May 5. As part of the program the Mattiello memorial committee will make its final report and the books will be formally presented to Dr. R. E. Kirk of the Polytechnic Institute of Brooklyn.

## Sid Richardson Carbon Assigns Jaeger to Sales

Robert Jaeger, formerly with C. P. Hall Company, has been made a member of the sales department of Sid Richardson Carbon Company. His headquarters will be at the company's division offices, 335 South Main street, Akron, Ohio.

For sixteen years Mr. Jaeger was a member of the technical and lubricating sales department of Standard Oil Company of Indiana. He is the author of several papers on industrial processing and has done some work on rubber reclaiming.

## Allerton Chemical Formed To Make Surface Coatings

The Allerton Chemical Company has been organized by Robert A. Prisch to manufacture industrial surface coatings. Production of lacquers, synthetics, enamels and other finishes has been started at 116 Humboldt street, Rochester, N. Y. Mr. Prisch was formerly a sales development engineer with the Merrimac Division of Monsanto Chemical Company.

## Standard Varnish Appoints Bauer, Santoro to New Posts

Carl Bauer has been named manager of industrial sales and W. E. Santoro as director of laboratories of the Standard Varnish Works of New York. Mr. Bauer started with the company as a chemist, became director of research and then director of laboratories. He was made a director of the company last January. Mr. Santoro joined the firm in 1939, to take charge of the company's metal decorating division.

## Cleveland Paint Club Schedules Outing Dates

The Cleveland Paint, Varnish and Lacquer Association has scheduled dates for its 1949 Summer outings. The dates are:—May 26, Sleepy Hollow; June 30, Pine Ridge; July 28, Chagrin Valley; August 25, Acacia Country Club, Cleveland, and September 22, Columbia Hills.

## Paraffine Companies Names Elliott to New Sales Post

The Paraffine Companies, San Francisco, has appointed John A. Elliott paint sales supervisor for its southern district. Mr. Elliott's sales force will service all independent dealers in southern California, Arizona, New Mexico, Texas and Colorado from headquarters in Los Angeles.

## Nat'l Lead Appoints Two

Fred M. Coppersmith has been named to supervise pigment production of the Atlantic branch of National Lead Company. George Edwards, assistant superintendent of the Bradley plant of the Atlantic branch, will succeed Mr. Coppersmith as superintendent.

Mr. Coppersmith joined the Bradley plant as a chemist in 1933, and subsequently became assistant foreman, foreman, assistant superintendent and, in 1943, superintendent. Mr. Edwards was with Oliver United Filters Company before joining National Lead.

## Phila. Paint Club To Meet on May 11

The Philadelphia Paint, Varnish and Lacquer Association will meet at the Adelphia hotel on May 11. A report on the Clean Up-Paint Up-Fix Up campaign scheduled for May 21 to 31 will be read, and the guest speaker will be Sasha Siemel, adventurer and explorer.

### Sherwin-Williams Shifts Coy

The Sherwin-Williams Company, Cleveland, Ohio, has appointed F. H. Coy manager of department store and syndicate store sales in its north central sales region. He will cover an area embracing parts of Ohio, Michigan, Indiana, New York, West Virginia, Virginia, Kentucky and Tennessee.

### Metzger Joins Zimmerman

The E. E. Zimmerman Company, shellac manufacturer and dealer in raw materials, Pittsburgh, has added Herbert C. Metzger to its technical sales staff. Mr. Metzger was formerly research and control chemist with the Ball Chemical Company for six years.


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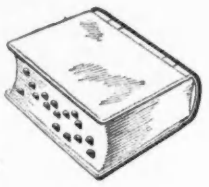

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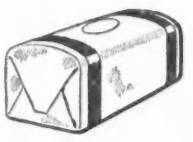

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# An Analysis of the ITO Charter

*The international commercial relations committee of the Synthetic Organic Chemical Manufacturers Association has distributed to its members an analysis of the charter of the International Trade Organization. The analysis was prepared by E. G. Davies of C. K. Williams & Co., Easton, Pa., who gave SOCMA and this publication permission to reprint it. Mr. Davies emphasizes that his analysis is not a complete one, as such an analysis would be practically as long as the charter itself. The Department of State's views on the ITO appeared in a series of articles in OPD, starting on January 24. The following is the last in a series of three articles:—*

Assuming, and correctly so, that the citizens of this country might be concerned about the development of a world authority such as is contemplated, the State Department attempts to reassure us in its green paper by saying:—

"The ITO is in no sense a superstate . . . The ITO charter is designed to provide a constitution for world trade and thereby strengthens the foundations of the United Nations. Within the framework of ITO the economic foreign poucy of the United States can be exercised with certainty and effectiveness to promote the economic welfare of this nation and others."

At another point the green paper defined the ITO as "a specializea agency of the United Nations."

**ITO Not Responsible to UN**

It is true that paragraph 1 of article 86 provides that the ITO is to become a specialized agency of the United Nations as soon as practicable, and that the UN charter (article 57) makes provision for specialized agencies. Technically the State Department is correct, but the delusion lies in the fact that the ITO would derive no authority from, nor be responsible to, the UN.

The balance of article 86 (consisting of 3 paragraphs) seems to indicate that the principal reasons for connecting the two are to provide for cooperation and the avoidance of unnecessary duplication in their activities, and to assure that matters essentially political would be left to the UN.

Paragraph 1 of article 77, article 89 and article 100 dispose of any doubt as to the supersovereign status of the ITO. The first reads, "the powers and duties attributed to the organization by this charter and the final authority to determine the policies of the organization shall be vested in the conference."

The second reads, "the organization shall have legal personality and shall enjoy such legal capacity as may be necessary for the exercise of its functions."

The third really clinches the matter by providing that the conference may adopt amendments—amendments which alter the obligations of members as well as those which do not. The remainder of the article deals with the effective dates of amendments, and even provides for possible suspension or withdrawal from ITO of members which do not accept an amendment.

**Logical Conclusion Reached**

Follow these three articles to a logical conclusion! By "accepting membership" in the ITO the nations of the world would grant to the organization the authority to make amendments to its own charter, its constitution, without any limitations whatever as to the number and scope of those amendments, and the final authority to determine its policies.

Then the ITO would determine the legal capacity it needs for the exercise of its functions (the extent of which it alone would determine), and, by amendments, could enlarge its legal capacity and its authority accordingly.

Vested with these powers it would not in any true sense be an agency of the United Nations or any other body. It would be a thing apart—a law unto itself—a super-body transcending all other authority.

**U.S. Foreign Policy Involved**

In the same green paper the State Department makes much of the close relationship between the foreign policy of the United States and the aims and principles of the Havana Charter, viz., "approval of the charter and acceptance of membership in the International Trade Organization would be a logical continuation of United States economic policy . . . the aims of the charter are closely related to the traditional objectives of American economic policy. . . . Its main principles are firmly rooted in the traditions of the American foreign policy."

It is doubtful if anyone outside the State Department knows of anything in "the traditions of the American foreign policy" which would lead the United States to surrender to any international authority the rights to do what it likes with its own trade and resources.

Yet article 45, which provides that a member may adopt measures to protect public morals, safety, health and many other phases of its existence, may adopt measures (see 1 (a) (viii), "relating to the conservation of exhaustible natural resources if such measures are made effective in conjunction with restrictions on domestic production or consumption."

**Restriction of Production**

The meaning certainly is clear—that if we have an insufficient supply of any natural resource to satisfy the needs of all member countries (which want it) in addition to our own we may not refuse to share that resource with the other countries unless we restrict our own production or use of it.

Apparently the State Department's conception of our foreign policy is that it is completely socialistic, for article 11 covers means of promoting economic development and reconstruction, and provides that ITO shall "promote agreements designed to facilitate an equitable distribution of skills, arts, technology, materials and equipment, with due regard to the needs of all members."

The ITO would determine the needs of all members, and would promote an equitable distribution, not only of knowhow, but also of materials and equipment.

**Denounces Trade Barriers**

The green paper denounces trade barriers set up by governmental regulations, speaks of closed economies under governmental control, and of the danger that restrictive government controls used as emergency devices will become entrenched.

Apparently the inference is intended to

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be that the ITO would lift trade out of government controls. There is no question but that trade would be removed from the control of individual governments, but it would be put under the control of one world authority.

In the United States we have a free economy, with minimum government control. Presumably we want that system to continue, particularly in our internal trade affairs. As a member of the ITO we would surrender all hope of such freedom, for our entire economy would necessarily have to be geared to the world plan.

**Resignation of Member**

The charter provides for resignation of any member from the organization "at any time after three years from the day of the entry into force of the charter."

Theoretically, the United States could become a member, and if membership was found not to be to its liking, could withdraw. From a practical standpoint any such procedure is out of the question. Because of its economic strength the United States would be the keystone of the organization. If it should withdraw at the end of three years or thereafter the entire structure would collapse, with worldwide repercussions far beyond mere matters of trade and commerce.

**Lack of Interest in Charter**

Although the Havana Charter was signed by Mr. Clayton on March 24, 1948, little has been heard of it, and surprisingly few people in the United States know of its existence, and fewer still know its contents. Of those who do, a few individuals and business organizations take the attitude that "while the charter has many weaknesses it is the best we can get, so let's approve it and seek to improve it later." What an unrealistic position to take, especially since we would have one vote in fifty-three on any proposal to change the charter!

A recent actual incident is pertinent in this connection. The leading figure in a substantial domestic industry, a man who has been closely identified with some activities of the United Nations, was asked his position on the Havana Charter. He replied that he is very much in favor of its adoption. When asked if he has made a careful study of it he replied that he has not read it, but favors its adoption because he believes we must foster international trade and because he knows personally and has confidence in some of the men who participated in the writing of the charter.

In contrast to this, several associations have made it a point to follow the development of this charter since its inception and to analyze the text carefully. After due consideration by their sub-committees, committees, boards of directors and by the members, they have made their position public in opposition to the ratification of the Havana Charter by Congress.

Up to the present time these organizations are:—American Tariff League; Committee on Foreign Commerce of the Section of Corporation, Banking and Mercantile Law of the American Bar Association; National Foreign Trade Council; New York Board of Trade and United States Chamber of Commerce.

The November issue of *The Business Lawyer* contains a report by a special committee of the American Bar Association, which report criticizes many features of the charter. One of the conclusions is "(a) that such a commitment cannot validly be entered into by the President without the advice and consent of the senate; and that (b) the senate cannot give its advice and consent (and probably will not knowingly do so) to an engagement, the modification of which is thus placed beyond its power of review."

**Main Danger of Charter**

Instead of fostering world peace and prosperity, as asserted by the State Department, the many ambiguities and controversial provisions of the Havana Charter must inevitably lead to international misunderstandings which may well develop into hatred, reprisals and worse. Yet if the members of the legislative branch of our government approve membership in ITO they will have no power of review over any action the ITO may take.

An alternative to the ITO and the Havana Charter, and one which offers full possibilities of successful attainment of the desirable objectives of the charter, is the adoption of the principle of agreements with nations whose ideas parallel our own, plus the establishment of an international organization in which men experienced in agriculture, industry and labor would cooperate with government men in negotiating, within their fields of knowledge, a simple, workable program which would be subject to more complete development in the light of experience and need.


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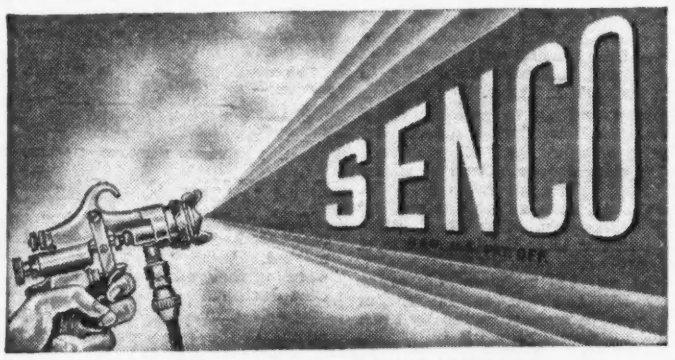


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# Oils, Fats and Waxes

As a result of a good export demand for vegetable oils and lard the trend of prices was upward last week. Price index advanced to 130.2, compared with 129.5, a month ago and 221.8 for the corresponding week last year.

Offerings of corn and cottonseed oils were light and moderate sales took place at a fractional advance. Peanut oil was in good request and was boosted 1 cent per pound. Soybean oil was higher fractionally early in the week, but developed an easier tone with lower soybeans and the advance was not sustained.

Coconut oil remained steady for spot shipment, while May forward became easier. Sales took place at the recent advance. Copra offerings continued scarce and the market was steady though nominal.

Active export inquiry for tallow and grease featured this market and moderate volume of business was booked at premiums. Domestic interest also was more active. A large soapmaker purchased a moderate quantity at an increase of three-quarter cent per pound. While domestic buyers operated in a hand to mouth manner, the market was sustained by considerable export interest. Recent shipments have sharply reduced stocks of the better grades of tallow and grease.

Further price advances for tung oil featured drying oils. Tung oil sales were light due to scarcity of offerings and the market was boosted 1¼ cents per pound. Buying interest slackened at the higher level, but holders continued to restrict offers. A firmer tone was noted in oiticica oil, and moderate trading was reported at a fractional price increase. Linseed oil was quiet and unchanged, with occasional offers of resale oil available at concessions.

## Cottonseed Oil

Bleachable cottonseed oil futures market advanced sharply early in the week as a result of a good export demand for edible oils and the booking of heavy quantities of lard for shipment to England and the Continent. The market weakened, however, with the break in lard and grains. Heavy selling pressure, especially in the July option caught stop loss orders and early gains were practically wiped out.

Crude cottonseed oil also became easier, but scored a net advance of one-half cent per pound. Late trading was reported at 11½c. per pound, tankcars, f.o.b. mills in the Valley and 11¼c., Texas.

Margins for trading in cottonseed oil futures on the New York Produce Exchange were reduced April 25. Original margins for clearing association members were cut to $800 per contract from $1,200. On straddle operations margins were $200 against $300 formerly. Straddle trading is where a trader buys a future contract and sell another.

Purchases of 72 tankcars of crude cottonseed oil at 10⅜c. to 11¼c. per pound, f.o.b. mills were reported by PMA in its purchase report of April 13.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended April 29 follow:—

| | Sales | Cents per pound High | Low | Close |
|---|---|---|---|---|
| May | 390 | 14.25 | 13.45 | 13.92—13.94S |
| July | 1,157 | 14.34 | 13.50 | 13.90—13.89S |
| September | 57 | 13.80 | 13.10 | 13.40@13.50 |
| October | 17 | 13.29 | 12.70 | 12.80@13.05 |
| December | 5 | 12.70 | 12.30 | 12.25@12.60 |
| January | .. | .... | .... | 12.25N |
| March | .. | .... | .... | 12.25N |

Total sales—1,626 tankcars.

*Memphis*—Crude cottonseed oil was quiet, 11½c. per pound, bid for tankcars, Valley, and 12c. asked. Trading in crude soybean oil was inactive and 10½c. bid, same basis. Cottonseed meal, 41 percent, quoted at $56 per ton, Memphis. Cottonseed cake ranged from $50 to $51 per ton, bulk, Valley. Cottonseed hulls were quoted at $2 to $3 per ton, same basis.

## Linseed Oil

Conditions in this market remained steady, though trading was confined to small quantities for filling in requirements. Resale oil offerings were reduced to an occasional lot at concessions. The higher cost of tung oil improved the tone of competing oils. Oiticica oil was firmer and moderate sales were reported at an advance of ¼c. per pound. Further increases took place in tung oil last week. Business took place at 19¾c. per pound, tankcars, New York, an increase of 1¼c., with sellers asking from 20c. to 20¼c.

PMA purchased 470 tankcars of raw linseed oil at 26.7c. per pound, tankcars, f.o.b. mills and 5 tankcars at 27c., same basis, according to its report of April 14.

Reports from Montevideo stated that 9,000 tons of Uruguyan linseed oil was sold at 17c. per pound, f.o.b. to Great Britain.

*Minneapolis*.—Linseed oil market was very quiet, production moving to CCC at a steady rate and private buying at a minimum. Crushers report an occasional small sale for fill-in purposes but to all intents and purposes the market is completely dead. Shipping orders on old contracts continued light and it is estimated that more than 95 percent of the production is going directly to the government under the crusher contract. Oil price continued at 27c. per pound, in tanks, zone 1.

Shipments of linseed oil, in pounds, were as follows:—

| | 1948-49 | 1947-48 |
|---|---|---|
| This week | 8,520,000 | 9,060,000 |
| Since Sept. 1 | 194,578,000 | 248,634,000 |

**Flaxseed**—Market was quiet and more or less nominal. Receipts of seed were light, chiefly against former contracts.

*Minneapolis*.—Oil buyers were interested in ascertaining what kind of a deal CCC expected to make on flaxseed and oil at the end of the current crop year. Flaxseed will automatically drop $2.01 a bushel on July 1, 1949, and it is hoped that CCC might sell some of its stored flax at the new crop price level. Crushers were negotiating with the government to buy flaxseed and resell the oil back to CCC. The projected program is quite interesting from the standpoint of the CCC in that it is much easier to store and handle linseed oil than it is to hold the ponderous volume of flaxseed. CCC now owns in excess of 20,000,000 bushels of flaxseed and is expected to come into ownership of another 3,000,000 bushels as loan and purchase agreement seed is unloaded. Weather continued dry in the flax belt while spring work proceded at a steady pace. Planting up to 75 percent completed in the central section and progressing rapidly in the more northern sections.

Shipments of flaxseed, in bushels, were as follows:—

| Bushels— | Receipts 1948-49 | Receipts 1947-48 | Shipments 1948-49 | Shipments 1947-48 |
|---|---|---|---|---|
| This week | 30,600 | 173,400 | 69,700 | 78,200 |
| Since Sept. 1 | 27,493,200 | 18,999,500 | 5,473,500 | 3,276,900 |

## Other Vegetable Oils

**Castor Dehydrated**—Higher cost of tung oil had a stimulated effect on this market. Inquiry was moderate. Prices were unchanged and steady at the recent decline.

**Coconut**—Trading in crude oil was reported at 15c. per pound, tankcars, Pacific coast for spot shipment; at 14½c. first week May and 14¼c straight May. June shipment was 13½c. asked.

**Copra**—Offers for shipment were scarce and the market was firm at $185. per short ton, c.i.f. Pacific coast. Sales were made at this figure.

**Corn**—Limited offerings and stronger competing oils advanced quotations ¼c. per pound. Crude oil was sold at 11¾c. per pound, tankcars, f.o.b. mills, with seller holding at ¼c. higher. Refined oil was lifted to 14¼c. per pound, tankcars, same basis.

**Oiticica**—This market was firmer reflecting the advance of tung oil. Inquiry was improved and quotations were raised ¼c. per pound. Trading was reported light. Liquid was quoted at 16c. to 17c. per pound, drums, New York depending upon seller and quantity.

**Olive**—Demand continued slow and the market developed an easier tone. Prices were reduced about 25c. per gallon. Spanish oil was quoted at $4 per gallon, drums, duty paid, spot delivery and Moroccan, $3.80 to $4, according to quantity. Olive oil foots on spot were recently cleaned up.

**Palm**—Stocks on the spot were limited and small drum lots were held at 19c. to 19½c. per opund.

**Peanut**—Improved demand and light offerings stiffened the market and prices were advanced about 1c. per pound. Following sales at 13c. per pound, tankcars,

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

Corn oil, ½c. per lb.
Cottonseed oil, ½c. per lb.
Greases, ¾c. per lb.
Lard, ½c. per lb.
Oiticica oil, ¼c. per lb.
Peanut oil, 1c. per lb.
Tallow, ¾c. per lb.
Tung oil, 1¼c. per lb.

**Prices Reduced**

Candelilla wax, 3c. per lb.
Olive oil, Moroccan, 25c. per gal.
Spanish, 25c. per gal.

**Comparative Price Indexes**

(100—August 1, 1914)

| Last week | Prev. week | Last month | Last year |
|---|---|---|---|
| 130.2 | 126.9 | 129.5 | 221.8 |

(*For Current Prices see Page 9*)

f.o.b. mills, Southeast, bids were raised f.o.b. mills, Southeast, with sellers holding at 13¾c. Southeast and 13½c. Texas. Refined oil was firm at 16⅞c. per pound, tankcars, New York basis.

**Soybean**—Market reacted and declined with soybeans following sales of crude oil up to 11c. per pound, tankcars, f.o.b. mills for prompt shipment. Business late in the period was reported at 10½c. for May shipment. Refined oil also was easier and nominal at 13⅝c. per pound, tankcars, New York delivery. PMA bought 23 tankcars of crude soybean oil at prices ranging from 9¾c. to 11¼c. per pound, f.o.b. mills, according to its report of April 13.

**Tung**—Further price advances featured this market last week. Sales were reported up to 19¾c. per pound, tankcars, New York basis, an increase of 1¼c. per pound. While buying interest slackened, offerings also were limited and well held at 20c., same basis. Drums were boosted to 21½c. per pound, carlots and 22c. for lesser quantities. Domestic oil was firmer and quoted at 19½c. per pound, tankcars, f.o.b. mills. Arrivals at New York totaled 52 tons last week.

## Fats and Greases

**Greases**—Improved demand for domestic delivery and a stronger tallow market lifted quotations ¾c. per pound for all grades. Yellow grease was sold at 5⅛c. per pound, delivered New York. Export business continued at premiums, though the volume was reported as fair. Choice white was quoted nominally at 6c. per pound, loose, delivered; yellow at 5⅛c. and house, 5c.

**Lard**—Heavy purchases of lard for shipment to England and to the Continent boosted the market about ½c. per pound. Higher prices for competing vegetable oils also were a contributing factor for the stronger tone. Cash lard was quoted at 11½c. per pound, loose, Chicago. Lard and rendered pork fat production in the United States totaled 2,,368,000,000 pounds in 1948, compared with 2,426,000,000 pounds in 1947, it was reported by the Bureau of Agricultural Economics.

**Tallow**—Increased demand from large soapmakers resulted in a price advance of ¾c. per pound for all grades. Fancy was sold at 6c. per pound, loose, delivered, New York and extra at 5¾c., same basis. Export business was reported moderate at premiums.

## Animal Oils

**Degras**—This market remained steady, reflecting the tight supply condition of crude. Inquiry was reported active for both refined and crude grades. Imports totaled 396 drums at New York last week.

**Grease Oils**—Business was light, though the market was firmer with the advance in pressing stock. Quotations were unchanged.

**Oleo Oil**—Trading was spotty. Prices were maintained at 12½c. per pound tierces, New York delivery.

**Oleo Stearine**—Market was quiet, but steady at 10c. per pound, barrels, New York.

## Fish Oils

**Crude Fish Oils**—Trading was reported in new crop menhaden oil at 6c. per pound, loose, works, if and when made. This price compares with 19c. a year ago.

**Refined Fish Oils** — Business was reported confined to small lots. Quotations were unchanged, but could have been shaded for carlots on a firm bid.

## Fatty Acids

**Red Oil** — Higher cost of tallow and grease created a firmer tone. Trading was moderate, chiefly for actual needs. Prices were unchanged.

**Stearic Acid**—Higher cost of basic material stiffened this market. Business was spotty. Quotations were well held.

## Cake and Meal

**Cottonseed Meal** — Actual trading has been fairly light in both cake and meal during the week. Exporters have not been too active. Slab cake 41 percent loose traded in the Valley from $50 to $51 per ton. May shipment. Cottonseed meal, 41 percent sacked was quoted at $57 per ton Alabama; $59, Georgia; $60, South Carolina and $61, North Carolina, May shipment. Most mills are in a comfortable position and offerings were light.

**Linseed Meal**—Market easier, prices off $1 per ton. Demand slow.

*Minneapolis*—Meal market was dull and featureless. Buyers were very cautious in their attitude and took only nearby needs, watching development of Spring grass and a slowing of demand at retail levels. Prices slid off to $55.50 per ton on new process 36 percent meal and down to $58 to $58.50 on old process 34 percent meal bulk. The fact that crushers


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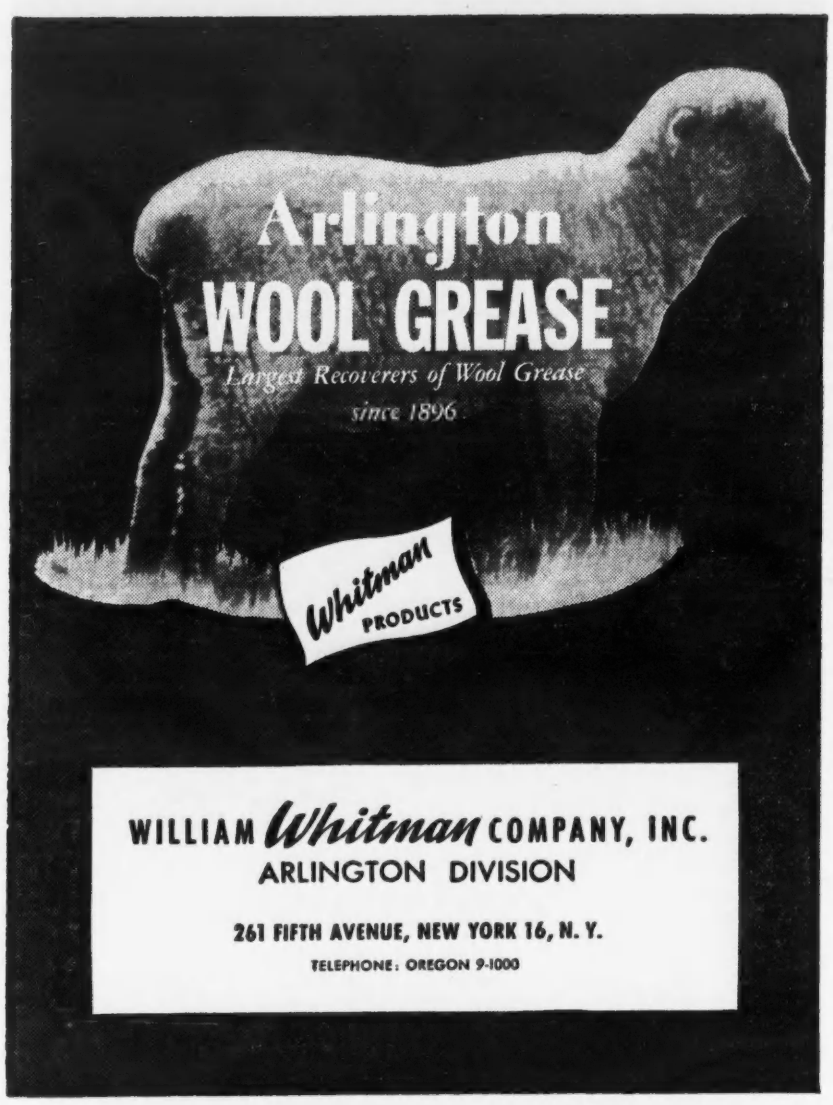



might enter the market with a surplus of the by-product, if an arrangement is worked out with CCC to crush up flax stocks, was also a deterrent to heavy buying.

Shipments of linseed meal, in pounds, were as follows:—

| | 1948-49 | 1947-48 |
|---|---|---|
| This week | 13,740,000 | 11,100,000 |
| Since Sept. 1 | 165,280,000 | 147,590,000 |

**Peanut Meal**—According to the Bureau of Agricultural Economics, the supply of peanuts, farmer's stock equivalent in commercial positions amounts to 812,000,000 pounds on March 31 compared with 758,000,000 pounds a year ago. Despite heavy milling operations the remaining supply of farmers' stock peanuts of 655,000,000 pounds was the largest March 31 holdings on record. Shelled peanuts, including oil stocks, reported used domestically during 1948-49 season through March 31 totaled 391,000,000 pounds compared with 357,000,000 pounds during the same period last season. Offerings of 45 percent peanut meal from South Georgia and Alabama were quoted at $59 per ton for May shipment and 41 percent in South Alabama was $5 less. New process peanut meal was $2 cheaper than old process. Trading during the week was fairly good.

**Soybean Meal**—Few offerings of Southeastern 41 percent old process sacked soybean meal at the present time. Scattered offerings ranged from $67 to $70 f.o.b. mills in Alabama and South Carolina. Soybean meal 41 percent bulk Decatur basis quoted at $59 May shipment. Demand has been fairly good.

## Waxes

**Candelilla**—This market continued easy and prices declined about 3c. per pound. Crude was available at 42c. to 44c. per pound, and refined at 47c. to 48c., on spot.

**Carnauba**—The trade awaited official confirmation of the signing of the finance bill covering the floor prices for 1948-49 and 1949-50 carnauba wax crops by the President of Brazil. The consensus is that the bill will be signed. Market remained steady, with trading spotty for spot stocks. Offers for shipment also were well maintained. Chalky and No. 1 yellow were firmer and in good inquiry. Chalky was quoted at 69c. to 70c. per pound; N. C. No. 2, 81c. to 82c; N. C., No. 3, 77c. to 79c. and refined 81c. to 82c. for good quality, while poorer grades were available at several cents less; yellow, No. 1, $1.06 to $1.08 and No. 2, $1.04 to $1.06.

## Ferro Enamel Establishes Central Research Division

Ferro Enamel Corporation, Cleveland, Ohio, has formed a central research division and has placed Dr. G. H. McIntyre, vice-president and director of research in charge. The new division will embrace the research activities of the company's color, engineering and liquid plastics divisions, those of the Ferro Chemical Corporation and of other subsidiaries of the company.

## Colgate Elects 2 Directors

Stockholders of the Colgate-Palmolive-Peet Company, Jersey City, N. J., elected J. A. Straka and Manning O'Connor directors at the recent annual meeting. Mr. Straka is vice-president and general manager of the company's toilet articles department, and Mr. O'Connor is also a vice-president.

## Murray Completes Fortieth Year with Spencer Kellogg

Sydney C. Murray, sales manager of the linseed oil division of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., recently observed his fortieth anniversary with the company. He joined the firm as a clerk in the sales department and advanced to his present position twenty years ago. He is a member of the Buffalo Paint, Varnish & Lacquer Association.

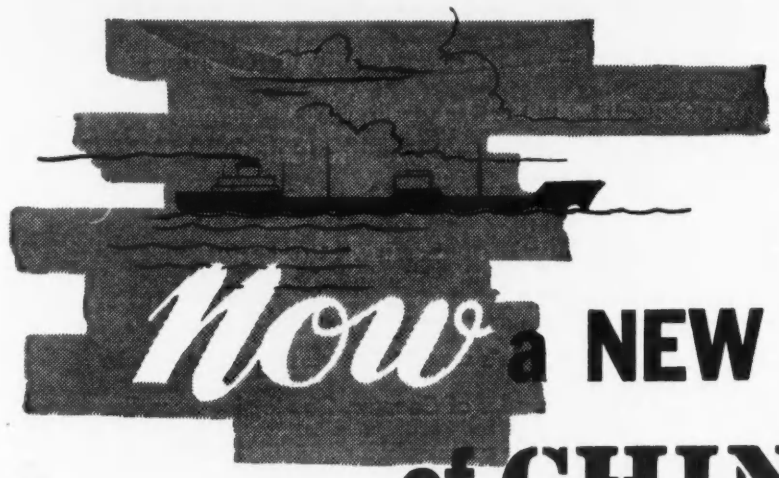
## *Oleomargarin Tax Repeal*

*—Continued from page 4*

to substitute its bill when the matter comes up on the senate floor.

The most threatening amendment to the bill came from a group of senators desirous of cutting excise taxes generally. During the closed committee consideration of the measure an attempt to tack a rider to eliminate all wartime excise tax increases and return to the rates prevailing in 1942 was defeated by the narrow margin of one vote—7—6. The committee also rejected by the same narrow margin an amendment that would exempt agricultural fairs from the admissions tax.

Proponents of the excise tax repeal rider announced, following the committee meeting, that they would renew their fight in behalf of their amendment on the floor of the senate.

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## *Oils, Fats Imports, Exports in 1947-48*

Imports and exports of principal oils and fats for 1948, as compared with 1947, have been reported by the Bureau of the Census, Department of Commerce, as follows:—

**Imports**

| | | 1948 | 1947 |
|---|---|---|---|
| Animal oils and fats, edible— | | | |
| Butter | lb. | 228,206 | 3,770,585 |
| Tallow, beef and mutton | lb. | 368 | ..... |
| Animal oils and fats, inedible— | | | |
| Neatsfoot oil | gal. | 33,800 | 9,408 |
| Tallow | lb. | 1,036,301 | 1,083,642 |
| Wool grease | lb. | 289,597 | 138,654 |
| Fish oils, inedible— | | | |
| Cod oil | gal. | 422,465 | 589,480 |
| Codliver oil | gal. | 2,037,066 | 1,520,247 |
| Herring oil | gal. | 2,447,871 | 398,035 |
| Seal oil | gal. | 4,989 | 2,144 |
| Shark and shark liver oil | gal. | 92,097 | 4,614 |
| Whale sperm oil, crude | gal. | 5,212,322 | 1,988,848 |
| refined | gal. | 1,382 | 6 |
| Whale oil, n.s.p.f | gal. | 899 | 437 |
| Fishliver oil, advanced | lb. | 4,097,867 | 1,105,009 |
| Vegetable oils, edible— | | | |
| Cocoa butter | lb. | 1,330,097 | 2,024,181 |
| Corn oil | lb. | 48 | ..... |
| Cottonseed oil, refined | lb. | 2,601,668 | 1,323 |
| Cottonseed oil, crude | lb. | 779,745 | 975,992 |
| Olive oil | lb. | 36,101,105 | 11,249,967 |
| Palm kernel oil | lb. | 8,680,520 | ..... |
| Sesame oil | lb. | 1,439,540 | 167,199 |
| Sunflower seed oil | lb. | 848 | 428 |
| Vegetable oils, inedible— | | | |
| Babassu oil | lb. | 3,082,440 | 1,746,803 |
| Cashewnut shell liquid | lb. | 6,005,655 | 3,397,893 |
| Castor oil | lb. | 2,441,097 | 6,594,893 |
| Coconut oil | lb. | 109,096,105 | 23,558,615 |
| Linseed oil | lb. | 3,958,942 | 117,326,044 |
| Oiticica oil | lb. | 17,557,592 | 8,471,408 |
| Olive oil, inedible | lb. | 360,316 | 247,544 |
| sulphured or foots | lb. | 9,414,257 | ..... |
| Palm kernel oil, inedible | lb. | 5,360,421 | 2,380,890 |
| Palm oil | lb. | 63,327,569 | 63,212,469 |
| Rapeseed oil, denatured | gal. | 488,719 | 768,537 |
| Rapeseed oil, not denatured | gal. | 442 | 1,286 |
| Tea seed oil | lb. | 3,660,882 | 6,376,859 |
| Tung oil | lb. | 133,282,363 | 121,564,269 |
| Nut oils, n.e.s | lb. | 1,126,381 | 2,000 |
| Expressed or extracted oils, n.s.p.f | lb. | 46 | ..... |
| Vegetable waxes— | | | |
| Candelilla | lb. | 2,593,380 | 8,424,361 |
| Carnauba | lb. | 15,260,890 | 11,836,182 |
| Ouricury | lb. | 2,956,468 | 2,879,963 |
| Oilseeds— | | | |
| Babassu nuts and kernels | lb. | 61,929,048 | 22,233,354 |
| Castor beans | lb. | 302,510,839 | 276,806,951 |
| Copra | lb. | 895,486,569 | 1,355,321,060 |
| Flaxseed | bu. | 1,066,020 | 282,455 |
| Hempseed | lb. | 251,952 | 119,392 |
| Muru-muru kernels | lb. | ..... | 99,207 |
| Palm nuts and kernels | lb. | 42,403 | 33,524 |
| Poppyseed | lb. | 6,071,122 | 4,735,314 |
| Rapeseed | lb. | 413,473 | 181,875 |
| Sesame seed | lb. | 22,606,465 | 9,479,008 |
| Tucum kernels | lb. | 12,949,860 | 16,887,496 |
| Seeds and nuts, n.s.p.f. | lb. | 61,995 | 128,408 |
| Oil cake and meal— | | | |
| Copra cake and meal | lb | 27,460,251. | 1,157,973 |
| Cottonseed oil cake and meal | lb. | 36,798,799 | 22,043,057 |
| Linseed oil cake and meal | lb. | 18,695,288 | 42,300 |
| Peanut oil cake and meal. | lb. | 6,170,473 | 1,253,872 |
| Oil cake and meal, n.s.p.f. | lb. | 41,181,874 | 30,430,762 |
| Glycerin— | | | |
| Glycerin, crude | lb. | 7,478,360 | 2,839,794 |
| Glycerin, refined | lb. | 420,017 | 806,702 |

**Exports**

| | | 1948 | 1947 |
|---|---|---|---|
| Animal oils and fats, edible— | | | |
| Butter (including butter oil and butter spread)[1] | lb. | 8,882,723 | 11,290,985 |
| Lard, including neutral lard | lb. | 271,834,691 | 380,735,249 |
| Oleo oil | lb. | 84,012 | 110,562 |
| Tallow, edible | lb. | 1,376,719 | 602,213 |
| Animal oils and fats, inedible— | | | |
| Oleic acid | lb. | 3,083,201 | 2,223,216 |
| Stearic acid | lb. | 4,323,328 | 4,875,736 |
| Tallow, inedible | lb. | 67,994,7341 | 54,553,458 |
| Other animal greases and fats[2] | lb. | 19,627,489 | 13,579,148 |
| Fish oils | | 11,756,624 | 10,929,725 |
| Vegetable oils and fats, edible— | | | |
| Cocoa butter | lb. | 1,499,399 | 1,853,060 |
| Coconut oil, refined | lb. | 9,273,230 | 5,490,590 |
| Corn oil, refined | lb. | 97,110 | 339,210 |
| Cottonseed oil, refined | lb. | 22,671,597 | 10,977,317 |
| Margarin | lb. | 3,408,335 | 19,953,602 |
| Olive oil, edible | lb. | 120,975 | 143,301 |
| Peanut oil, refined | lb. | 685,379 | 1,578,596 |
| Shortening | lb. | 3,521,591 | 3,593,583 |
| Sunflower seed oil, refined | lb. | ..... | 60,655 |
| Soybean oil, refined | lb. | 41,265,566 | 38,883,126 |
| Other edible vegetable oils and fats[3] | lb. | 4,881,923 | 2,452,985 |
| Vegetable oils and fats, inedible— | | | |
| Castor oil, commercial | lb. | 1,079,612 | 2,709,871 |
| Castor oil, medicinal | gal. | 132,566 | 92,732 |
| Coconut oil, crude | lb. | 9,819,620 | 52,426,598 |
| Cottonseed oil, crude | lb. | 10,093,852 | 900,938 |
| Linseed oil | lb. | 29,635,803 | 9,854,796 |
| Peanut oil, crude | lb. | ..... | 496,737 |
| Perilla, rapeseed and oiticica oil | lb. | 136,610 | 19,526 |
| Soybean oil, crude | lb. | 41,769,196 | 68,394,537 |
| Tung oil | lb. | 3,367,724 | 2,143,473 |
| Other inedible oils[4] | lb. | 1,230,990 | 2,118,968 |
| Fatty acids of vegetable origin | lb. | 17,614,879 | 18,465,269 |
| Vegetable oil foots[5] | lb. | 6,887,583 | 194,847 |
| Vegetable soap stock | lb. | 648,399 | 2,403,395 |
| Oilseeds— | | | |
| Cottonseed | lb. | 10,151,127 | 13,770,703 |
| Flaxseed | lb. | 92,376,620 | 909,376 |
| Peanuts, shelled | lb. | 458,655,171 | 212,252,689 |
| not shelled | lb. | 10,593,531 | 18,681,159 |
| Soybeans | lb. | 389,823,474 | 150,317,588 |
| Other oilseeds[6] | | 347,485 | 1,067,125 |
| Vegetable oil cake and meal— | | | |
| Cottonseed cake and meal | ton. | 8,945 | 13,279 |
| Linseed cake and meal | ton. | 26,833 | 10,440 |
| Peanut oil cake and meal. | ton. | 5,085 | 24,270 |
| Soybean cake and meal. | ton. | 39,100 | 131,422 |
| Glycerin, 100% glycerol basis | lb. | 3,834,498 | 4,275,689 |

[1] Butter spread exports amounted to 114,603 pounds in 1948, 255,219 pounds in 1947, and 12,795,504 pounds in 1946.
[2] Includes hog grease and wool grease and other animal grease and fats.
[3] Includes rapeseed oil, refined; palm and palm kernel oil, refined; vegetable stearin, and other edible vegetable oils and fats.
[4] Includes corn oil; olive oil; palm and palm kernel oil, and other expressed fats and oils.
[5] Includes olive oil foots and other vegetable oil foots.
[6] Includes castor beans, hemp, perilla, poppy, rape and sunflower seed and palm nuts and palm kernels; copra, and other oilseeds.

## Spencer Kellogg Develops New Dicyclopentadiene Oils

Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has announced the development on a commercial scale of linseed and soybean oils reacted with dicyclopentadiene. The linseed base oil will be marketed as "Cykelin" and the soybean base as "Cykelsoy."

Produced in a Z2 viscosity, "Cykelin" is described as being a pale amber color, with a low acid number. It sets in a few hours and dries extremely hard overnight, according to the maker, and water and alkali resistance of the films are excellent. It is said to be completely miscible with bodied or unbodied oils and is recommended for varnishes, enamel vehicles and as a general reinforcing oil.

"Cykelsoy" is said to be similar in chemical makeup to "Cykelin," except that soybean oil is used as the base. Its viscosity is the same, it has a somewhat darker color and it sets slower. It is also recommended for use in varnishes and enamel vehicles by the maker.

## Meisinger Joins Trabon

George A. Meisinger has joined the Trabon Company, manufacturers representative, Chicago. Mr. Meisinger was formerly associated with the Velsicol Corporation, where he had charge of market research work for the past two years. He was previously employed as a research and development chemist at the Chicago plant of the Sherwin-Williams Company for eleven years.

## Swift Promotes Lacey

F. E. Lacey, head of the industrial oil department of Swift & Co., Chicago, has been appointed manager of the technical products plant of the company at Hammond, Ind. Mr. Lacey joined Swift in 1926 and was first engaged in sales work in New York and Toronto. He later returned to Chicago, where for sixteen years he was engaged in the procurement and sales of fats and oils for the company.

## *Trade Briefs*

**Stauffer Chemical** Company has opened its newly remodeled home office at 636 California street, San Francisco, Calif.

**Schorn Paint Manufacturing** Company, Seattle, Wash., recently guided members of the Seattle Executives Association on a tour through its plant.


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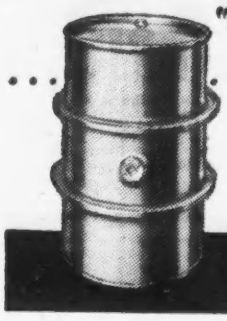
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3—Sperry 30", 24" cast iron recessed Filter Presses, 30 chambers.
2—Shriver, Sperry, 30", 24" cast iron plate and frame Filter Presses, 28 chambers.
2—Shriver 12" P&F Filter Presses, 11 chambers.
3—AT&M, Bird 48" stainless steel suspended Centrifugals, motor driven.
12—Ross Engineering 2-truck Atmospheric steam heated Dryers, 500 sq. ft.
5—Abbe 6'x8', 5'x4', 4'x5' porcelain-lined Pebble Mills, motor driven.
1—Patterson 3'x4' jacketed Ball Mill.
2—4SH, 2TH Mikro Pulverizers.
2—Day Sifters, 20"x48", 40"x120".
2—Pfaudler 75, 100 gal. glass-lined, Jacketed, agitated Kettles.
1—Jeffrey 30"x24" Type A Hammer Mill.
4—Dopp 250, 150 gal. jacketed Kettles.
1—Bullovak Vacuum Shelf Dryer with 19—42"x42" shelves.
3—Day 12"x32", 16"x40" 3-roll Mills, m.d.
8—Day 80 and 100 gal. Lead Mixers.
1—Baker Perkins 100-gal. stainless steel double arm Jacketed Mixer.
1—Baker Perkins 4½ gal. Jacketed vacuum Double Arm Mixer.
2—Baker Perkins Lab. Double Arm stainless steel Mixers, 2 gal. cap.
3—Sperry 42"x42" aluminum plate and frame Filter Presses, closed delivery, 3" cake.
1—Sperry 36"x36" wood plate and frame Filter Press, 28 chambers.
1—No. 7 Sweetland Filter, 27 leaves.
2—No. 2 Sweetland Filters, 17 leaves.
1—"Jay Bee" 2UX Hammer Mill, 30 HP.
2—Dureo 2"x1½" Duriron Pumps, 5 HP.
2—Sharples No. 16V S.S. Centrifuges.
11—Olivite Centrifugal Acid Pumps, 2".
16—Powder Mixers, 100 to 4,000 lbs.

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2—UNUSED 10'6" x 16' Feinc Filters, wood, type 316, stainless steel and silicon bronze construction.
2—UNUSED 8' x 10' Oliver Precoat Rotary Continuous Vacuum Filters, all silicon bronze construction, each with bronze drum, valve, trough and piping.
1—Louisville Rotary Steam Tube Dryer, 6' x 50'.
1—Rotary Vacuum Dryer, 5' x 33'.
3—7500 gal. Steel Kettles, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
1—2000 gal. Steel Kettle, jacketed, open top. Agitated. 7' dia. x 7'6" deep.
1—No. 12 Sweetland Filter, 4" centers, iron or copper leaves.
2—Baker Perkins Mixers, size 17. Jacketed, 200 gallon.
3—18" x 50" Rubber Mills, with motor and drive.
1—Kilby 39" x 39" cast iron Filter Press, washing type, plate and frame, 47 chambers.
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1—Glasscote 1,000 gal. Glass-Lined Reactor.
1—Glasscote 250 gal. Closed Glass-Lined Jacketed Kettle.
1—Pfaudler 1,500 gal. Glass-Lined Vac. Receiver.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
1—Ruggles Coles Rotary Steam Tube Dryer, 4' x 20'.
6—Stainless Steel 40" x 48" Sus. Centrifuges.
3—Fitzpatrick Model D Comminuting Mach., S.S. parts, 5 H.P., X.P. Motors.
1—Charlotte Stainless Steel Colloid Mill, 20 H.P., 100-300 gals. hr.
2—Abbe 6' x 8' Buhrstone-Lined Mills.
4—Day & Ross 20 & 40 gal. Pony Mixers.
10—Horiz. Spiral Mixers, 25 lb. to 3,500 lb.
6—Vac. Shelf Dryers, Lab. to 20 Shelf.
2—Oliver 8' x 12' Continuous Filters.

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Reactor: 200 gal. Pfaudler, jack., ag.
Centrifugal: Rochester 30" suspended.
Vacuum Mixer: W. & P., 20 gal.
Dryers: 6x30' Davenport hot air rotary.
Vacuum Pans: 50 gal. and 6' copper.
Liquid Fillers: Siphon and Vacuum.
Fillers: Tube-Jar, hand and motor dr.
Fillers: Stokes & Smith, Triangle.
Tablet Machines: Colton 2R, 3R, 4, 5T.
Filter Presses: 24" C. I., 24" wood, 42" alum.
Centrifugals: Tolhurst, sl. steel, 26", 40".
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: 600, 1,000, 1,500, 2,000 lb.
Dryer: 42x120" Buflovac double drum.
Labelers: Bottle and Can.
Dryer: Stokes Vac. Shelf, 10 40x42 shelves.
Mills: 3-roll Day 12"x32", 16x10".
Pumps: Stain. Steel Centrifugal, 2 hp.

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6—Automatic Vacuum Fillers, 12 spout, stainless steel.
4—Semi-Auto. Vacuum Fillers, 8 spout, stainless, bronze.
3—Syphon Fillers, 8 spout, stainless, bronze.
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2—Automatic Powder Fillers, auger type.

AUTOMATIC LINE FOR FILLING POWDER INTO CARTONS—60 per min.

4—Resina Automatic Cappers.
3—CC&S Jumbo 7-head Auto. Crowners.
12—Portable Cap Tighteners, Elec. op.
3—Kiefer Auto. Bottle Rinsers, 72 spout.
3—U. S. Auto. Bottle Rinsers, 60 spout.
1—Pneumatic Scale Auto. 6-wide Air Cleaner for Bottles.
3—Ermold Auto. 6-wide Labelers.
3—Auto. Duplex Labelers, Front & Back.
1—Auto. Rotary Duplex Labeler.
6—Auto. Rotary Simplex Labelers.
4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and compression unit.
1—Packomatic Auto. Top Gluer.
4—Acme Elec. op. Case Stitchers.

### PROCESSING EQUIPMENT

3—Mikro Pulverizers, #1, #1, Bantam.
2—Day & Abbe Double Jar Mills.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', 250 HP motor, complete.
3—Shriver 24" Cast Iron P&F Filter Presses, open delv, 54 chambers.
1—Swenson Precoat Rotary Vacuum Filter, 8' x 8', acid proof, lead & rubber.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves, 500 sq. ft.
1—Aluminum Kettle with coils, jacket and agitator, closed, 1,000 gal.
1—Dopp 300 gal. cast iron jacketed and agitated Kettle.
30—Stainless and Stainless Clad Kettles, 30 gal. to 500 gal., 40# and 100#, Jkt. pr.
10—Stainless Steel open top Tanks, 30 gal. to 500 gal., with some side mixers.
7—Lead & Paste Mixers, 80 gal.
2—Ross 3-Roll Mills.
4—Double Arm Jkt'd. Mixers; B-P 15 gal. vac.; Day 25 gal.; W&P 100 gal.; Read 250 gal.

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## *Dunn Favors Tightening*

*—Continued from page 4*

human consumption or falsely labelled as a matter of fact in the specific circumstances presented."

He said that he had discussed the amendment with Dr. Paul B. Dunbar, commissioner of food and drugs, and with Charles Crawford, associate commissioner, and they had approved its general purposes. The amendment, he said, would protect the public health on the one hand and prevent the commission of frauds on the other, which he felt was about as far as the law should go in dealing with exports.

He pointed out that the amendment would not go into the question of quality standards in an affirmative sense nor should the government get into this matter because it would amount to an attempt to force our standards on the rest of the world. Quality standards are determined, Mr. Dunn stated, on the basis of our own national habits and there may be differences of opinion in other nations as to such affirmative requirements.


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6 – 8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.

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3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 6.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x26".
4—Abbe Pebble Mills, 6'x8', 60"x48", 30"x33" & 24"x36".
1—U. S. Stainless Colloid Mill, 5 HP.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
5—Tyler 38 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
1—Robinson Saw Tooth Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 1½".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills, 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x3" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
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1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
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1—19½" dia. x 15" deep ⅝" thick stainless steel kettle with bolted cover Capacity 16 gallons.
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1—Shriver 42" x 42" Filter Press, 46 chambers, hydraulic closing device.
1—Shriver 36" x 36" Filter Press, rubber covered, 30 chambers.
1—Shriver 36" x 36" C.I. Plate & Frame Filter Press, closed delivery.
1—Sperry Enamel-lined Filter Press, 18" x 18", 12 chambers, closed delivery.
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**Detached frame buildings, suitable for office, laboratory and storage. Property 4.8 acres.**

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**Solvents—Large** eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write OPD 551.

## PHOSPHATE LEASE

**United States Department of Interior,** Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g), and (h), if a current showing in that regard has not been filed. The envelopes shall be plainly marked that they are not to be opened before the date and hour set out herein and should show the number of the unit and that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bids. Bidders are warned against committing any act of intimidation, combination or unfair management, to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. The lands to be leased are in the State of Idaho, and are offered in the following units: **Unit No. 1,** lot 2 sec. 10, W½NW¼, SE¼NW¼, E½SW¼ sec. 11, T. 9. S., R. 43 E., B.M., 240 acres; **Unit No. 2.** W½NE¼, NE¼NW¼ sec. 12, T. 8 S., R. 43 E., B.M. 120 acres; **Unit No. 3,** lot 3, NE¼NW¼, S½NE¼, sec. 2, T. 9 S. R. 43 E., B.M., 160 65 acres; **Unit No. 4,** SW¼SW¼ sec. 20, W½NE¼, SE¼NE¼, N½NW¼, NE¼SE¼ sec. 29, T. 4 S., R. 40 E., B.M. 280 acres; **Unit No. 5,** lots 8 and 9 sec. 1, T. 6 S., R. 38 E., B. M., 65.38 acres. Terms: Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of the gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 25 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR, 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be canceled if production, or the construction of production facilities, including processing plants, is not commenced by the beginning of the fourth year of the lease. A lease of the lands in units 1 and 3, if issued, shall contain a provision that operations thereunder will not cause undue interference with the use of the lands for the grazing of cattle and sheep and the cutting of timber. A like provision with reference to a Forest Service drift fence will be made a part of a lease of the lands in unit No. 3. Bids must be submitted on or before 1 p.m. May 25, 1949, and must be submitted on each unit separately, but no objection will be made to the award of more than one unit to the same successful bidder. Marion Clawson, Director.

## PHOSPHATE LEASE

**United States Department of Interior,** Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids, at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g) and (h), if a current showing in that regard has not been filed. The envelope shall be plainly marked that it is not to be opened before the date and hour set out herein and should show that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bid. Bidders are warned against committing any act by intimidation, combination or unfair management to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. **Lands to be leased:** SW¼SE¼, E½SW¼, NW¼SW¼, lots 3, 4, S½NW¼, sec. 3, lot 1 sec. 4, E½ sec. 10, W½SE¼, NW¼, E½SW¼, sec. 14, NE¼NE¼ sec. 15, T. 8 S., R. 44 E., S½SE¼ sec. 28, E½SE¼, NW¼SE¼, NE¼ sec. 33, W½SW¼ sec. 34, T. 7 S., R. 44 E., B.M., Idaho. **Terms:** Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 15 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be canceled if production or the construction of production facilities including processing plants, is not commenced by the beginning of the fourth year of the lease. A lease of the lands, if issued, shall contain a provision that operations thereunder will not cause undue interference with the use of the lands for the grazing of cattle and sheep and the cutting of timber. Bids must be submitted on or before 1 p.m. May 25, 1949. Marion Clawson, Director. The lands listed cover 1,483.55 acres.

## PLANTS WANTED

**Wanted—Buy** or lease immediately small chemical plant with equipment suitable for manufacture of organic chemicals. Will consider adding to equipment. May consider partnership. Location preferably metropolitan New Jersey or New York. Replies confidential. OPD 543.

**Wanted—Complete** plants, also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

## POSITIONS OFFERED

**Chemical Salesman** — Expanding Midwest chemical manufacturer seeks aggressive, high type sales representative acquainted with sales of industrial solvents preferably on national scale. In reply state experience and salary expected and submit recent snapshot. OPD 540.

**Salesmen—unusual** opportunity—attractive offer. Well established manufacturer of aromatic chemicals, essential oils and perfume compounds, has openings for salesmen with knowledge of the business and a following in the trade. Replies will be treated confidentially. Our staff knows about this ad. OPD 552.

## POSITIONS WANTED

**Chemist, Salesman**—15 years experience, 35, own car, executive calibre, seeks opportunity in sales or production with manufacturing company or supplier of raw materials. Numerous contacts, excellent references. OPD 542.

## POTASSIUM LEASE

**U. S. Department of the Interior,** Bureau of Land Management, Washington 25, D. C. Notice is hereby given that sealed bids will be received until 1 p.m. Eastern Daylight Saving Time, June 8, 1949, for the following described land in Eddy County, State of New Mexico: all of sec. 10, N½, N½S½ sec. 15, all of sec. 22, N½, NW¼SE¼, E½SE¼ sec 27, T. 22 S, R. 29 E., N.M.P.M., 200 acres. This land is offered at a minimum bid of $1 an acre to qualified bidder of the highest cash amount as a bonus for the privilege of leasing under the provisions of the Potassium Leasing Act of February 7, 1927 (44 Stat. 1057, 30 U.S.C., Sec. 283), subject to a royalty of five percent of the gross value of potassium compounds and other related products at the point of shipment to market, a minimum investment of $200,000 during the first three years of the lease, a minimum production to a royalty value of $1 an acre a year beginning with the fourth lease year and otherwise in accordance with the lease form set out in the regulations (43 CFR 194.24), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., and each bidder must submit with the bid one-fifth of the amount bid in cash, or by certified check, or by money order made payable to the order of the Treasurer of the United States, and file the showing of qualifications to receive a lease, required under 43 CFR 194.6 (a) (b) and (c). The envelopes shall be plainly marked: "Bids for potassium lease. Not to be opened before 1 p.m. Eastern Daylight Saving Time, June 8, 1949." No bids received after the hour fixed herein for receiving bids will be considered. The remainder of the bonus and the rental at the rate of 25 cents per acre for the first lease year, must be paid and a corporate surety bond in the sum of $10,000 must be furnished by the successful bidder prior to the issuance of a lease (43 CFR 194.22). The deposits of the unsuccessful bidders will be returned upon acceptance of the successful bid. Bidders are warned against violation of section 1860, Title 18, U. S. Code, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. Marion Clawson, Director.

# Bids Wanted

**Alcohol, S. D.,** 274,964 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 03,-1896, May 12.

**Aluminum plastic cement,** 1,250 pounds, U. S. Air Force (Eglin Base, Fla.) invitation 82, May 17.

**Amino Acids,** including aspartic acid, 100 grams; histidine monohydrochloride, 500 grams; hydroxyproline, 100 grams; isoleucine, 50 grams; lysine monochloride, 500 grams; proline, 100 grams; serine, 100 grams, threonine, 500 grams; tryptophane, 100 grams; valine, 500 grams, Department of Agriculture (Washington 25) invitation 2079-M, May 10.

**Black, carbon,** 21,000 pounds, and **lamp,** 4,000 pounds, Government Printing Office (Washington 25) May 16.

**Blueprinting,** 10,000 pounds, **bronze,** 2,500 pounds, Government Printing Office (Washington 25) May 16.

**Bronze leaf,** 100 rolls, Government Printing Office (Washington 25) May 16.

**Calcium carbide,** 100,000 pounds, Panama Canal (Washington 25) schedule 9276, May 10.

**Caustic soda,** 11,616 13-ounce cans, Post Office Department (Washington 25) invitation 3063, May 4; 3,000 pounds and 6,000 13-ounce cans, Panama Canal (Washington 25) schedule 9276, May 10; 2,000 pounds, Government Printing Office (Washington 25) May 16.

**Chemicals and drugs,** including mepheridine hydrochloride, phenolsulfonphthalein, pine tar, tryptone glucose extract, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1224, May 9; menadione sodium bisulphite, mercurophylline, paraffin, invitation 1235, May 9; aluminum hydroxide gel, benedict's reagent, epinephrine, invitation 1225, May 9.

**Chlorinated diphenyl,** 1,000 pounds, Government Printing Office (Washington 25) May 16.

**Chrome green,** 10,000 pounds, Panama Canal (Washington 25) schedule 9276, May 10.

**Colors,** including milori green, 5,000 pounds; titanium dioxide, 600 pounds; violet toner, 600 pounds; alkali blue toner, 3,000 pounds, Government Printing Office (Washington 25) May 16.

**Core paste,** 2,000 pounds, District of Columbia Government (Washington 1) schedule 13338, May 4.

**Desiccant,** activated, packaged in cloth bags, Navy Purchasing Office (Norfolk, Va.) schedule 7900, May 9.

**Drier,** paste, 2,000 pounds, cobalt, 3,000 pounds, Government Printing Office (Washington 25) May 16.

**Dry-cleaning solvent,** 10,600 gallons, U. S. Air Force (Kelly Field, Texas) invitation 238, May 5; 15,000 gallons, Panama Canal (Washington 25) schedule 9276, May 10.

**Egg albumen,** 800 pounds, Government Printing Office (Washington 25) May 16.

**Furniture polish,** 1,350 gallons, Post Office Department (Washington 25) invitation 3070, May 4.

**Glue,** 30,000 pounds, Government Printing Office (Washington 25) May 16.

**Gum arabic,** 1,500 pounds, Government Printing Office (Washington 25) May 16.

**Insecticidal materials,** pyrethrum, 1,500 gallons, and nicotine concentrate, 4,000 pounds, Chicago Quartermaster, Oakland Army Base (Oakland 14, Calif.) invitation 229, May 10.

**Lapping and polishing compound,** U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038,1693, May 12.

**Lead acetate,** 54,850 gallons, Navy Purchasing Office (New York 3) invitation 4724, May 20.

**Milk powder,** 498,000 pounds, Quartermaster Purchasing Office (Chicago 9) invitation 1077, May 12; 320,000 pounds, invitation 1105, May 19.

**Nux vomica,** 2,357 kilos, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 1235, May 9.

**Paint, enamel,** 410 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 096-625 May 10; 2,000 gallons, Panama Canal (Washington 25) schedule 9276, May 10; **various,** 355 gallons, U. S. Air Force (Brookley Base, Alabama) invitation 103, May 17; 250 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 096-625, May 10; 500 gallons, U. S. Air Force (Eglin Base, Fla.) invitation 82, May 17; 16,600 gallons, Army Engineers Corps (Chicago 6) invitation 1002, May 9; 2,000 gallons, Quartermasters Depot (Atlanta, Ga.) invitation 75, May 3; 6,500 gallons, Purchasing Office (Fort Lewis, Wash.) invitation 86, May 5.

**Polyvinyl acetate,** emulsion, 10,000 pounds, Government Printing Office (Washington 25) May 16.

**Salt, rock,** 80,000 pounds, Veterans Administration Hospital (Murfreesboro, Tenn.) invitation 49-344, May 5; **evaporated,** 60,000 pounds, Veterans Administration Center (Bath, N. Y.) invitation 49-347, May 4.

**Scouring powder,** type III, 49,000 pounds, Post Office Department (Washington 25) invitation 3064, May 4.

**Silicon carbide,** powder, 5,000 pounds, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 538, May 9.

**Soap,** floating toilet, 4,900 pounds, Post Office Department (Washington 25) invitation 3065, May 4.

**Sodium metaphosphate,** as required from July 1 through September 30, 1949, Veterans Administration (Washington 25) invitation 188-S, May 4.

**Sodium sesquisilicate,** 10,000 pounds, Government Printing Office (Washington 25) May 16.

**Solvents,** glycerin, 10,000 pounds, hexahydric alcohol, 10,000 pounds, diethylene glycol, 2,000 pounds, ethyl acetate, 1,500 pounds, hexylene glycol, 1,000 pounds, and trichloethylene, 6,000 pounds, Government Printing Office (Washington 25) May 16.

**Sulphuric acid,** approx. 10,000 pounds, U. S. Air Force (Scott Base, Illinois) invitation 12, May 25.

**Sweeping compound,** 32,000 pounds, Post Office Department (Washington 25) invitation 3079, May 6.

**Toluene,** 29,740 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1849, May 13.

**Trisodium phosphate,** 20,000 pounds, Government Printing Office (Washington 25) May 16.

**Wax,** water-emulsion, 900 gallons, Post Office Department (Washington 25) invitation 3073, May 4; liquid solvent type, 3,000 gallons, invitation 3074, May 4.

**Wood cleaner and renovator,** 1,100 gallons, Post Office Department (Washington 25) invitation 3080, May 11.

**Wool grease,** anhydrous, 3,000 pounds, Government Printing Office (Washington 25) May 16.

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Recent additions to the series of standard hydrocarbon compounds available from the National Bureau of Standards are 2, 3-dimethyl-1, 3-butadiene, normal hexadecane, cis-3-hexene, 1-methyl-E-tertiary-butylbenzene, 1-methyl-4-isopropylbenzene, 1, 2-pentadiene.

These bring up to a total of 162 the standard hydrocarbon samples prepared under the cooperative program of the bureau and the American Petroleum Institute for calibrating laboratory equipment in the chemical and related industries. Copies of the list and directions for ordering the samples may be obtained from the National Bureau of Standards, Washington 25.

### Aramco Moves N. Y. Offices

The New York offices of the Arabian American Oil Company, formerly located at 630 and 711 Fifth avenue, will be moved to 505 Park avenue today. The new telephone number is MUrray Hill 8-1300.


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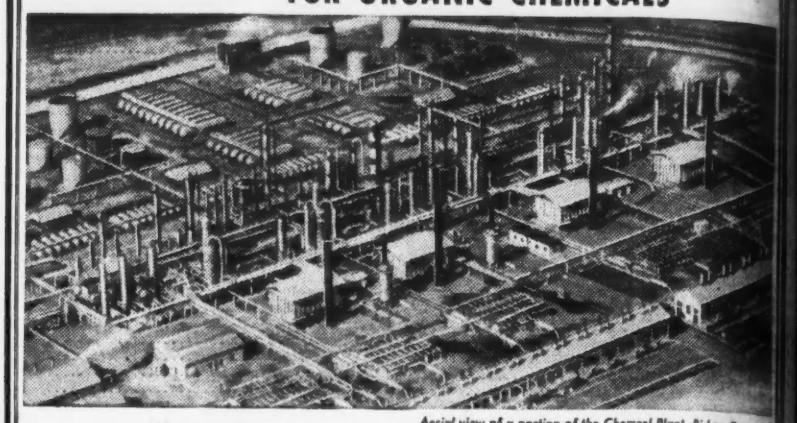

*Aerial view of a portion of the Chemcel Plant, Bishop, Texas.*

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## DEPENDABLE "Smithko" Products

| | | |
|---|---|---|
| Asbestos | Drop Black | Pumice Stone |
| Barytes | Gilsonite | Siennas |
| Blanc Fixe | Iron Oxides | Silica |
| Blues | Lamp Black | Stearates |
| Calcium Carbonate | Lime | Talcs |
| Chrome Oxides | Magnesium Oxide | Tall Oil |
| Clays | Manganese Oxide | Umbers |
| Copper Oxides | Mica | Yellow Ochres |

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Fabricators of Mineral Colors
Agents for Nationally-Known Manufacturers
*Available Technical Data Upon Request*

SMITH CHEMICAL & COLOR CO.
INCORPORATED 1919
55 John Street Brooklyn 1, New York

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